

MHS HIRE RANGE



FILTRATION RANGE



DIAGNOSTICS RANGE



**Mining & Hydraulic
Supplies**



**WESTERN AUSTRALIAN
OWNED**



FILTRATION RANGE

4-13

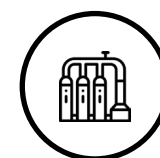
DIAGNOSTICS RANGE

14-19

80%

**OF ALL OIL
RELATED FAILURES
ARE CAUSED BY OIL
CONTAMINATION.**

Mining and Hydraulic Supplies (MHS) provides specialised equipment, including filtration systems, flushing rigs, and diagnostic tools. Their rental options are flexible, catering to daily, weekly, monthly, or long-term needs of contractors.



FILTRATION RANGE

Our MHS Filtration Range is designed to effectively remove contaminants, ensuring clean and dry hydrocarbons. With advanced filtration technology, our products provide reliable protection across various applications, maintaining the highest standards of purity and performance.



DIAGNOSTICS RANGE

Our MHS Diagnostics Range enables efficient on-site testing of new and in-service hydrocarbons. Designed for accuracy and convenience, our diagnostic tools help you monitor oil quality, detect potential issues early, and ensure optimal performance of your equipment.





Pg.7

HDU 15/25



Pg.7

HDU 27/27



Pg.8

HDU 27/54



Pg.8

HDU 27/54 WITH OCM



Pg.9

HDU 427/54



Pg.9

HDU 427/108



Pg.10

PTU 27/54



Pg.10

PTU3 27/108



Pg.11

PTU3 2 X 27/108



Pg.12

DESORBER D10 COMBI



Pg.12

DESORBER 40



Pg.13

VRU 27/108



Pg.13

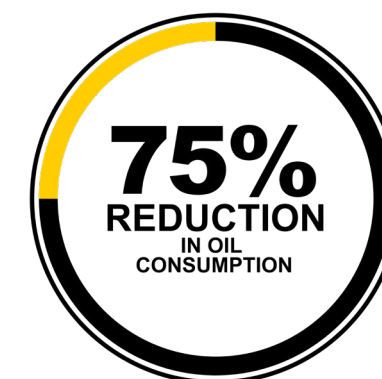
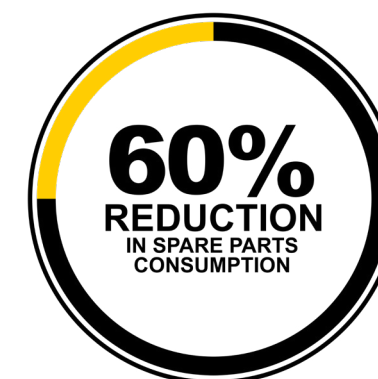
MOBILE FLUSHING UNIT



CONTAMINATED OIL?

Contamination sources such as particles, water, oxidation, acidity & varnish can significantly damage an oil system. CJC® solutions remove critical contaminants in one and the same process.

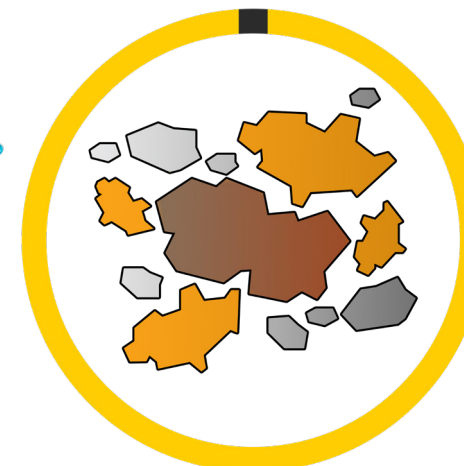
Using a CJC offline oil filtration system expect up to:



CJC FINE FILTERS

HDU

Particles Condensation



Free Water



Dissolved Water



Insoluble & Soluble Oxidation



Varnish



CJC FINE SEPARATORS

PTU

Free Water & Particles



Particles



Dissolved Water



Insoluble & Soluble Oxidation



Varnish



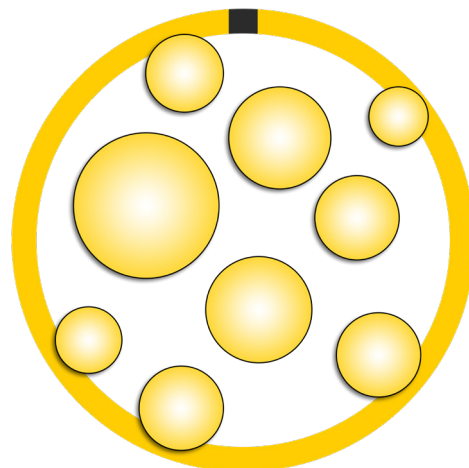


CJC DESORBER/FILTERS

Desorber/Filter Combi



Emulsified Oil & Particles



Particles



Free Water



Dissolved Water



Insoluble & Soluble Oxidation



Varnish



CJC VARNISH REMOVAL UNIT

Varnish Removal



Varnish & Particles



Particles



Free Water



Dissolved Water



Varnish & Particles



Acidity



HDU 15/25



SPECS

Dirt Holding Capacity:

Up to 1.5 kg

SYSTEM

System fit:

Up to 1,000L - Depending on oil spec and temp

Pump range:

PV2-18-4 (120L/hr)

Power supply:

- **Motor:** 240V, 0.18kw, 4 pole
- **Plug Detail:** 10 Amp Single Phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel

PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	40 kg
Dimensions (cm):	500L x 400W x 1230H

HDU 27/27

SPECS

Dirt Holding Capacity:

Up to 6 kg

SYSTEM

System fit:

Up to 2,500L - Depending on oil spec and temp

Pump range:

MZ9, (374L/hr)

Power supply:

- **Motor:** 240v, 1Ph, 6 pole
- **Plug Detail:** 10 Amp Single Phase

APPLICATIONS (NEW / IN-SERVICE)

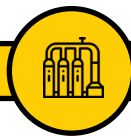
- Hydraulic oil
- Gear oil
- Diesel fuel



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	75 kg
Dimensions (cm):	820L x 490W x 1140H





FILTRATION RANGE

HDU 27/54



SPECS

Dirt Holding Capacity:
Up to 12 kg

SYSTEM

System fit:
Up to 3,000L - Depending on oil spec and temp

Pump range:
P19 (600L/hr)

Power supply:

- **Motor:** 415V, 0.37kW, 4 pole
- **Plug Detail:** 32 Amp 3 phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel

PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	95 kg
Dimensions (cm):	1200L x 650W x 1100H

HDU 27/54 WITH OIL CONTAMINATION MONITOR

SPECS

Dirt Holding Capacity:
Up to 12 kg

SYSTEM

System fit:
Up to 3,000L - Depending on oil spec and temp

Pump range:
MZ11 (425L/hr)

Power supply:

- **Motor:** 415V, 3Ph, 6 pole
- **Plug Detail:** 32 Amp 5 pin 3 phase

CONTAMINATION MONITORING

- OCM 15

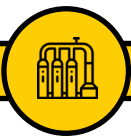
APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	95 kg
Dimensions (cm):	1160L x 730W x 1040H



FILTRATION RANGE

HDU 427/108

SPECS

Dirt Holding Capacity:
Up to 96 kg

SYSTEM

System fit:
Up to 10,000L - Depending on oil spec and temp

Pump range:
MZ28 (1100L/hr)

Power supply:

- **Motor:** 415V, 3Ph, 6 pole
- **Plug Detail:** 32 Amp 4 pin 3 phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel
- Crushers
- Fixed plant



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	500 kg
Dimensions (cm):	1200L x 1200W x 1800H

HDU 427/54



SPECS

Dirt Holding Capacity:
Up to 48 kg

SYSTEM

System fit:
Up to 8,000L - Depending on oil spec and temp

Pump range:
MZ21 (1260L/hr)

Power supply:

- **Motor:** 415V, 0.55kw, 3Ph, 4 pole
- **Plug Detail:** 32 Amp 4 pin 3 phase

APPLICATIONS (NEW / IN-SERVICE)

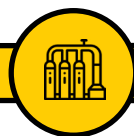
Application:

- Hydraulic oil
- Gear oil
- Diesel fuel
- Crushers
- Fixed plant

PRODUCT DETAILS: (NEW / IN-SERVICE)

Hire Period:	Weekly
Weight:	500 kg
Dimensions (cm):	1200L x 1200W x 1230H





FILTRATION RANGE

PTU 27/54



SPECS

Dirt Holding Capacity:
Up to 12 kg

SYSTEM

System fit:
Up to 3,000L - Depending on oil spec and temp

Pump range:
MZ16 (630L/hr)

- Power supply:**
- **Motor:** 415 V, 3ph , 6 pole
 - **Plug Detail:** 32 Amp 4 pin 3 phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel
- Crushers
- Fixed plant

PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	120 kg
Dimensions (cm):	1100L x 650W x 1700H

PTU3 27/108

SPECS

Dirt Holding Capacity:
Up to 24 kg

SYSTEM

System fit:
Up to 6,000 L - Depending on oil spec and temp

Pump range:
MZ21 (1260L/hr)

- Power supply:**
- **Motor:** 415V, 3Ph, 4 pole
 - **Plug Detail:** 32 Amp 4 pin 3 Phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Diesel fuel
- Crushers
- Fixed plant



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	225 kg
Dimensions (cm):	1100L x 1100W x 2050H



FILTRATION RANGE

PTU3 2 X 27/108

SPECS

Dirt Holding Capacity:
Up to 48 kg

SYSTEM

System fit:
Up to 10,000 L - Depending on oil spec and temp

Pump range:
GP33-6 (1790L/hr)

- Power supply:**
- **Motor:** 415V, 3Ph, 6 Pole
 - **Plug Detail:** 32 Amp 4 pin 3 Phase

APPLICATIONS

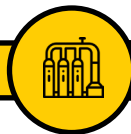
- Hydraulic oil
- Gear oil
- Diesel fuel
- Crushers
- Fixed plant



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	210 kg
Dimensions (cm):	1450L x 800W x 2050H





D10 COMBI



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	170 kg
Dimensions (cm):	700L x 700W x 1800H

SPECS

Dirt Holding Capacity:
6 kg

SYSTEM

System fit:
Up to 2,500 L
Viscosity: 32 to 150 cSt

Pump range:
PV2-7-4 (45L/hr)

Power supply:

- **Motor:** 240V, 1Ph, 4 pole
- **Plug Detail:** 15 Amp Single Phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Stern drives
- Thrusters
- Fixed plant

D40 DISORBER

SPECS

Emulsified:
8L/hr Water removal

SYSTEM

System fit:
Up to 25,000 L

Pump range:
GP26-4 (1520L/hr)

Power supply:

- **Motor:** 415V, 3Ph, 4 pole
- **Plug Detail:** Wilko Series 63 Amp 5 pin

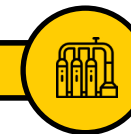
APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Stern drives
- Fixed plant



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	1300 kg
Dimensions (cm):	2400H x 1500L x 1500W



VRU 27/108



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	450 kg
Dimensions (cm):	1700W x 750D x 1720H

CONTAMINATION SOURCES

Varnish / Dirt Holding Capacity:
Up to 24 kg

SYSTEM

System fit:
15,000 - 45,000 L
Max 68 CST

Pump range:
PV4-7 (45L/hr)

Power supply:

- **Motor:** 400V, 3Ph, 4 pole
- **Plug Detail:** 20 Amp 5 pin 3 Phase

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulics
- Steam and gas turbines and compressors

MOBILE FLUSHING UNIT

SPECS

Dirt Holding Capacity:
Up to 24 kg

SYSTEM

System fit:
Up to 1,000L

Pump range:
GP26-8 (700L/hr)

Power supply:

- **Motor:** 415V, 0.55kw, 3Ph, 8 pole
- **Plug Detail:** 32 Amp 4 pin 3 Phase

CONTAMINATION MONITORING

- OCM 15

APPLICATIONS (NEW / IN-SERVICE)

- Hydraulic oil
- Gear oil
- Mobile final drives



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	470 kg
Dimensions (cm):	1370L x 1370W x 1690H



CONDITION MONITORING - MOBILE EQUIPMENT

Enhanced Reliability:

Our optical particle counters are engineered for precise, consistent monitoring in mobile environments, unaffected by vibrations. This ensures reliable data to support critical heavy machinery operations.

Advanced Sensor Technology:

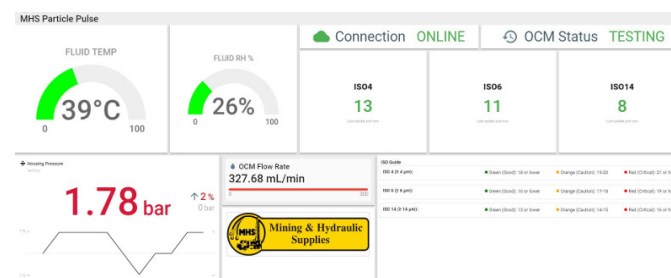
- **Bubble Elimination:** Advanced digital imaging technology accurately distinguishes between air bubbles and actual contaminants, ensuring precise particle counts.
- **Root Cause Analysis:** Particles are classified by type (e.g., fatigue wear, sliding wear, cutting wear) through sophisticated shape recognition, enabling detailed root cause analysis to identify contamination sources.
- **Comprehensive Oil Health Monitoring:** Integrated sensors assess water content, particulate levels, and overall oil degradation, providing a complete picture of oil condition and enabling data-driven maintenance decisions.
- **Real-Time, On-Site Monitoring:** A user-friendly interface provides instant visual indicators and data logging, allowing for the continuous tracking of oil cleanliness, with alerts for any potential issues.
- **Versatility:** Our counters are compatible with a wide range of oils, including high-viscosity fluids, making them ideal for various mobile equipment and machinery applications.

Key Benefits:

- Reduced Downtime
- Extended Equipment Lifespan
- Cost-Effective Maintenance



Online Monitoring Platform



CONDITION MONITORING - MOBILE EQUIPMENT

Monitoring Platform:

Access Anywhere:

- Our custom monitoring platform offers remote access via a mobile app or browser, allowing users to view data, generate reports, and monitor trends in real time. The platform supports both desktop and mobile devices, ensuring you can monitor and manage cleanliness data from anywhere.

Real-Time Data Visualisation:

- The platform provides real-time visualization of key metrics, including ISO cleanliness codes, particle counts, and oil condition status. Intuitive dashboards present data in graphical form, allowing for easy trend analysis and tracking over time.

Alerts & Notifications:

- With built-in email and SMS notifications, the platform provides proactive alerts on cleanliness thresholds, oil degradation, or sensor readings that exceed set limits. This helps prevent equipment failure by allowing for immediate corrective action.

Report Generation:

- The platform includes an easy-to-use report generation tool, enabling you to create detailed, customisable reports on oil cleanliness, particle counts, and root cause analysis. These reports can be exported in various formats for sharing and record-keeping.

Historical Data & Trend Analysis:

- Data logs allow users to store and review historical cleanliness data, enabling long-term trend analysis. This functionality supports predictive maintenance and helps improve overall equipment performance.

Integration & Connectivity:

- Each hire unit is equipped with dedicated 4G modems and required communication hardware, offering seamless connectivity. The platform can also integrate with existing thernet networks, providing additional flexibility for data transmission.

Security & Data Management:

- Our platform ensures data security and integrity with encrypted communications and secure user access controls. It supports multiple users with tiered access levels, ensuring the right stakeholders have visibility to critical data while maintaining data confidentiality.





Pg.17



LASPACII-P-M-W

Pg.17



PPC-PAD-PLUS

Pg.18



FS9V4

Pg.18



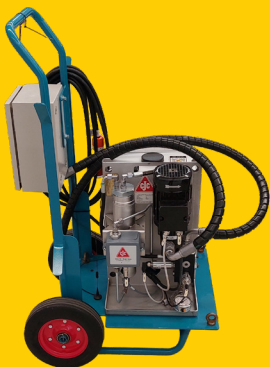
SMART MONITORING KIT

Pg.19



DIGITAL HYDRAULIC TESTER

Pg.19



CMU



LASPACII-P-M-W



SENSOR

Twin-Laser

OPERATION TEMP

+5 °C to 80 °C

POWER SUPPLY

240 V AC

DATA

Internal (for approximately 600 tests)

COMPATIBLE WITH

Mineral and synthetic oil

VISCOSITY RANGE

1 to 400 cSt

PRESSURE

2 to 400 bar

PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	13 kg
Dimensions (cm):	55.1L x 35.8W x 22.6H

PPC-PAD-PLUS

SENSOR

2 CAN bus networks, each with 24 STAUFF CAN bus channels

OPERATION TEMP

+5 °C to 80 °C

POWER SUPPLY

240 V DC - Internal lithium battery

DATA

Internal (12 GB)

COMPATIBLE WITH

Mineral and synthetic oil

SAMPLE RATE

1 ms = 1000 measured value/s

SENSOR OPTIONS

Pressure Transducer

0 - 400 Bar

0 - 600 Bar



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	1.88 kg
Dimensions (cm):	28.2L x 19.5W x 8.5H





FS9V4



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	7.10 kg
Dimensions (cm):	39.8W x 31D x 17.2H

SENSOR

Optical

OPERATION TEMP

-20° C to 70° C

POWER SUPPLY

220 V AC - Internal lithium battery

DATA

The sensors will hold 100,000 lines of data (138 days)

COMPATIBLE WITH

Diesel & oil (hydraulic, lubrication, mineral, synthetic)

VISCOSITY RANGE

0 to 2400 cSt

PRESSURE

Max inlet pressure of 150 Bar with High-Pressure device, otherwise built-in internal pump max inlet 2 Bar without HPD.

SMART MONITORING KIT (PARTICLE COUNTER)

SENSOR

Optical

OPERATION TEMP

0°C to 80°C

POWER SUPPLY

24 VDC

DATA

Real time data

COMPATIBLE WITH

Mineral and synthetic oil

VISCOSITY RANGE

0 to 540 cSt

PRESSURE

(0-2 bar (Internal Gear Pump))

NOTES

Provides root cause analysis on particle types, oil degradation percentage, and trending.



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	6 kg
Dimensions (cm):	24.9L x 40W x 13.2H



DIGITAL HYDRAULIC TESTER



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	6 kg
Dimensions (cm):	24.9L x 40W x 13.2H

SENSOR

Magnetic pickup

OPERATION TEMP

-10 to 50°C

POWER SUPPLY

9 VDC

DATA

Real time data

COMPATIBLE WITH

Mineral and synthetic oil

VISCOSITY RANGE

0 to 540 cSt

PRESSURE

420 bar

FLOW METER

10- 400L LPM

ACCURACY

1% margin of error at full flow

CMU

SENSOR

Laser

OPERATION TEMP

-20°C to 80°C

POWER SUPPLY

3 Phase, 20a, 4 pin

DATA

Real time data

COMPATIBLE WITH

Mineral and synthetic oil

VISCOSITY RANGE

0 to 1000 cSt



PRODUCT DETAILS:

Hire Period:	Weekly
Weight:	80 kg
Dimensions (cm):	53.3L x 50.9W x 60H



FOR MORE INFORMATION CONTACT:

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