

OIL ANALYSIS REPORT

Area Garyville [Garyville] Oil - Port Genset

Port Genset

ROYAL PURPLE MOTOR OIL 15W40 (35 GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



Sample Rating Trend



NORMAL

SAMPLE INFORMATION method WC0804755 WC0859894 WC0805189 Sample Number **Client Info** Sample Date Client Info 14 Mar 2024 13 Feb 2024 18 Dec 2023 10900 Machine Age hrs **Client Info** 3378 3378 Oil Age hrs Client Info 2500 1462 1462 Oil Changed Client Info Oil Added Oil Added Oil Added NORMAL Sample Status NORMAL NORMAL CONTAMINATION Fuel WC Method >4.0 <1.0 <1.0 <1.0 Glycol WC Method NEG NEG NEG WEAR METALS Iron ASTM D5185m >50 46 41 25 ppm Chromium ppm ASTM D5185m >4 <1 <1 <1 Nickel ASTM D5185m >2 0 0 0 ppm 8 10 9 ASTM D5185m Titanium ppm Silver ppm ASTM D5185m >5 0 0 0 Aluminum ASTM D5185m >12 2 2 ppm 1 ASTM D5185m >17 <1 1 0 Lead ppm 0 Copper ASTM D5185m >70 <1 <1 ppm 0 Tin ppm ASTM D5185m >15 <1 <1 0 0 Vanadium ASTM D5185m 0 ppm Cadmium ppm ASTM D5185m 0 0 0 65 105 0 109 Boron ppm ASTM D5185m Barium ppm ASTM D5185m 0 0 0 0 ASTM D5185m 44 43 28 Molybdenum ppm 100 0 Manganese ppm ASTM D5185m <1 <1 60 733 Magnesium ppm ASTM D5185m 661 622 Calcium ASTM D5185m 3050 1808 1924 1795 ppm Phosphorus ppm ASTM D5185m 1050 899 964 731 Zinc ppm ASTM D5185m 1200 1098 1182 919 Sulfur 12500 3633 2899 ppm ASTM D5185m 3347 CONTAMINANTS Silicon ASTM D5185m >25 12 11 10 ppm Sodium ASTM D5185m 7 5 4 ppm Potassium ASTM D5185m >20 3 4 <1 ppm Water % ASTM D6304 >0.1 NEG NEG NEG % 0.4 0.4 0.3 Soot % *ASTM D7844 Nitration Abs/cm *ASTM D7624 >20 13.3 13.1 12.0 26.8 Sulfation *ASTM D7415 >30 26.2 23.7 Abs/.1mm FLUID DEGRADATION *ASTM D7414 >25 29.2 28.2 24.0 Oxidation Abs/.1mm

10.5

7.35

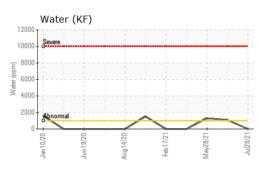
Base Number (BN) mg KOH/g ASTM D2896

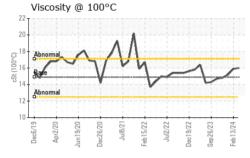
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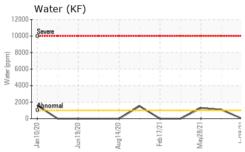
7.23



OIL ANALYSIS REPORT







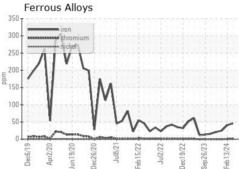
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	14.9	16.0	15.9	15.2
GRAPHS						

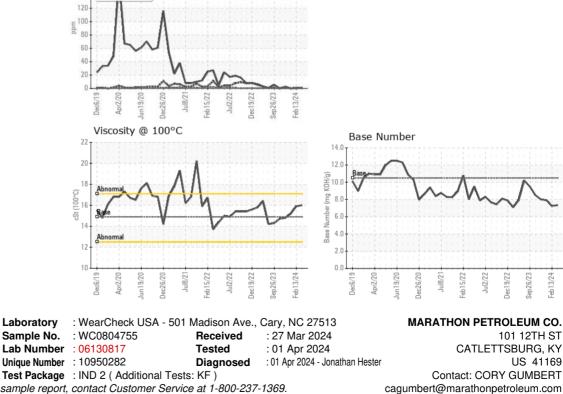
Non-ferrous Metals

180

160

140





Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Page 2 of 2

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