

OIL ANALYSIS REPORT

Sample Rating Trend





4699M Component Diesel Engine

Machine Id

Fluid

PETRO CANADA DURON SHP 15W40 (--- GAL)

SAMPLE INFORI						
		method	limit/base	current	history1	history2
to monitor. Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info		GFL0108839 15 Jan 2024 12058 11651 Changed NORMAL	GFL0101529 16 Nov 2023 11651 10898 Changed NORMAL	GFL0086669 27 Jul 2023 10898 9700 Changed NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
uitable Fuel dition of the Water Glycol		WC Method WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron Chromium Nickel	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>5	45 2 <1	28 1 <1	53 2 1
Titanium Silver Aluminum	ppm ppm	ASTM D5185m ASTM D5185m	>2 >2	<1 0 5	<1 <1 3	0 <1
Lead Copper	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25	5 1 3	<1 2	6 <1 2
Tin Vanadium Cadmium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>4	<1 <1 0	0 0 0	<1 0 0
ADDITIVES		method	limit/base	current	history1	history2
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	0	2 <1	0	3 1
Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010	63 <1 1039	62 0 911	61 <1 919
Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m	1070 1150 1270	1137 1088 1348	1078 984 1203	1079 992 1243
Sulfur	ppm	ASTM D5185m		2839	2660	2865
CONTAMINAN		method	limit/base		history1	history2
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		7 8 2	5 4 3	8 17 4
INFRA-RED		method	limit/base	current	history1	history2
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415		1 11.3 23.5	0.6 9.4 21.0	0.9 9.8 21.8

FLUID DEGRADATION method

Base Number (BN) mg KOH/g ASTM D2896 9.8

Abs/.1mm *ASTM D7414 >25

21.4

5.9

Oxidation

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.

18.4

7.0

17.7

7.5

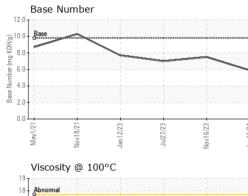


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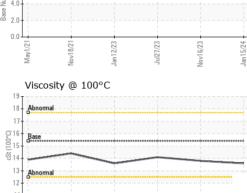
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VISUAL



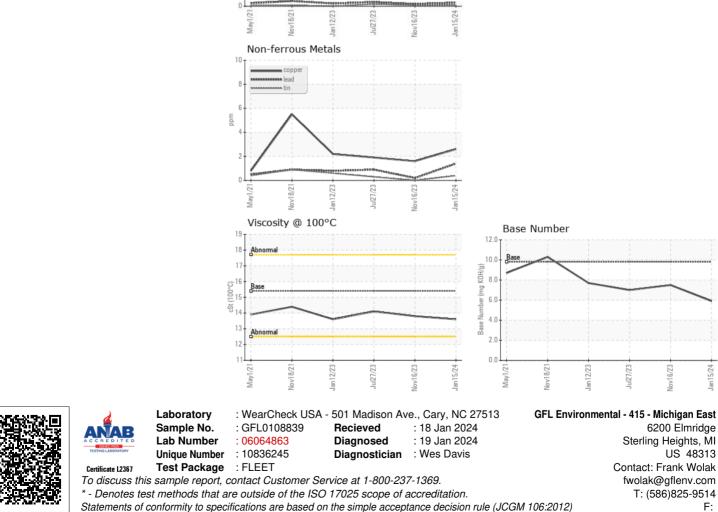




Jan 12/23

Jul27/23

Nov16/23



Jan15/24

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