

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 7826M

Component Diesel Engine

Fluid PETRO CANADA DURON SHP 15W40 (--- 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.

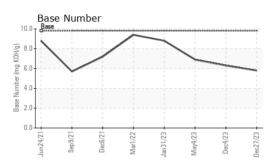
Fluid Condition

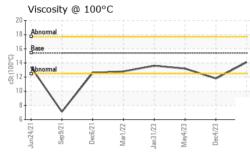
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sample Date Client Info 27 Dec 2023 04 Dec 2023 04 May 2023 Machine Age hrs Client Info 0 15526 14155 Oil Age hrs Client Info 0 14155 13505 Oil Changed Client Info Changed Changed Changed NORMAL Sample Status Client Info Changed ATTENTION NORMAL ATTENTION NORMAL CONTAMINATION method imit/base current history1 history2 Fuel WC Method >5 <1.0 1.9 <1.0 Water WC Method >0.2 NEG NEG NEG Water WC Method >0.0 1 <1 1 Nickel ppm ASTM 05185m >20 1 <1 1 Nickel ppm ASTM 05185m >3 0 0 0 Corport pm ASTM 05185m >30 1 <1 <1 Silvor	SAMPLE INFORI	MATION	method	limit/base	current	history1	history2
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	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	0 0 0 1010 1070 1150 1270 2060 <i>limit/base</i> >25 >20 <i>limit/base</i> >3 >20	2 0 66 <1 1112 1242 1178 1427 3214 <i>current</i> 6 26 3 <i>current</i> 1.1 1.1 12.0	0 2 42 0 633 772 744 959 2616 history1 2 2 <1 2 2 1 2 1 2 1 2 1 2 5.9	3 0 58 <1 964 1092 1018 1204 3360 history2 3 3 3 <1 history2 0.7 6.7
Base Number (BN) mg KOH/g ASTM D2896 9.8 5.8 6.3 6.9	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	0 0 0 1010 1070 1150 1270 2060 imit/base >25 imit/base >3 >20	2 0 66 <1 1112 1242 1178 1427 3214 current 6 26 3 current 1.1 12.0 24.5	0 2 42 0 633 772 744 959 2616 history1 2 <1 2 <1 2 1 2 0.5 5.9 19.3	3 0 58 <1 964 1092 1018 1204 3360 history2 3 3 <1 kistory2 0.7 6.7 17.7
	Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm TS ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7415	0 0 0 1010 1070 1150 2260 225 220 220 imit/base >3 >20 >30 20 30	2 0 66 <1 1112 1242 1178 1427 3214 <i>current</i> 6 26 3 <i>current</i> 1.1 12.0 24.5 <i>current</i>	0 2 42 0 633 772 744 959 2616 history1 2 <1 2 <1 2 4 0.5 5.9 19.3 history1	3 0 58 <1 964 1092 1018 1204 3360 history2 3 3 3 <1 history2 0.7 6.7 17.7 history2

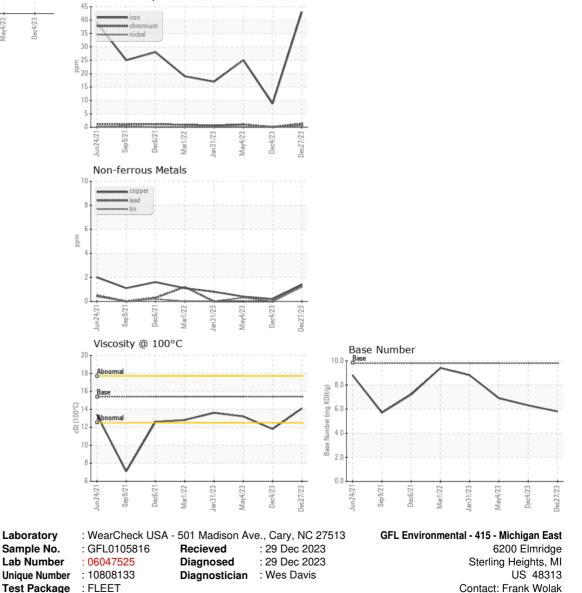


OIL ANALYSIS REPORT





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	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.1	1 1.8	13.2
GRAPHS						
Ferrous Alloys						



To discuss this sample report, contact Customer Service at 1-800-237-1369.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Submitted By: Frank Wolak Page 2 of 2

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F:

^{* -} Denotes test methods that are outside of the ISO 17025 scope of accreditation.