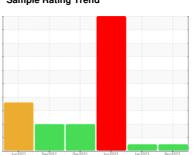


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id 4614M Component **Diesel Engine**

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

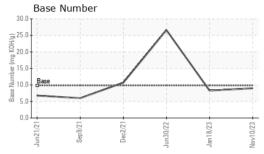
Fluid Condition

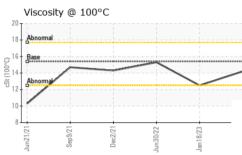
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

ON SHP 15W40 (- GAL)	Jun2021	Sep2021 Dec2021	Jun2022 Jan2023	Nov2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number Sample Date Machine Age Oil Age Oil Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		GFL0101560 10 Nov 2023 20451 0 N/A NORMAL	GFL0068648 18 Jan 2023 17644 17644 Changed NORMAL	GFL0055168 30 Jun 2022 17644 16489 Changed SEVERE
CONTAMINATI	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>3.0 >0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG • 0.10
WEAR METALS	S	method	limit/base	current	history1	history2
Iron Chromium Nickel Titanium Silver Aluminum	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>2 >2 >2 >2	7 <1 <1 0 0 2	19 2 0 0 0	56 2 1 <1 0
Lead Copper Tin Antimony Vanadium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>40	0 9 0 	0 32 0 0	2 11 2 0
Cadmium ADDITIVES	ppm	ASTM D5185m method	limit/base	o current	0 history1	0 history2
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0	2 0 62 <1	0 0 56 <1	165 0 175
Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	1010 1070 1150 1270 2060	1011 1107 1152 1388 3305	870 983 902 1107 3071	775 956 806 1115 3081
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m	>25	3 8 1	4 34 3	103▲ 3813▲ 81
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	limit/base >6 >20 >30	0.2 7.2 19.7	0.4 8.8 20.3	1.2 21.0 28.5
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm	method *ASTM D7414 ASTM D2896	limit/base >25 9.8	current 15.7 9.0	history1 17.0 8.3	history2 22.2 26.6



OIL ANALYSIS REPORT

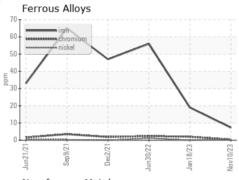


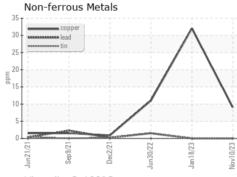


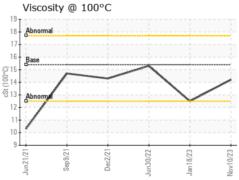
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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

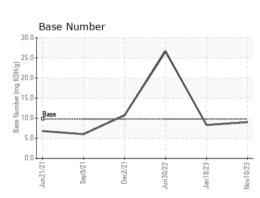
FLUID PROPE	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	12.5	15.3

GRAPHS













Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0101560 : 06005219 : 10738981

Received : 13 Nov 2023 Diagnosed : 20 Nov 2023 Diagnostician : Wes Davis

GFL Environmental - 415 - Michigan East

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

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)