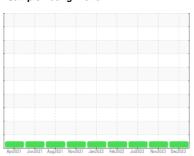


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 4676M 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

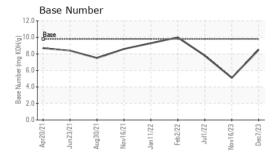
Fluid Condition

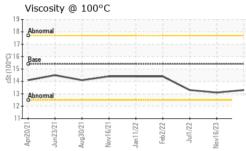
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

JN SHP 15W40 (GAL) April 1 August 1 August 1 Markets 1 Jankets 2 June 2022 Markets 2 June 2023 Market						
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		GFL0105662 07 Dec 2023 13740 13579 Changed NORMAL	GFL0101523 16 Nov 2023 13579 11894 Changed NORMAL	GFL0055140 01 Jul 2022 11894 10695 Changed NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel Water Glycol		WC Method WC Method	>5 >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 Titanium Silver Aluminum Lead Copper Tin Antimony	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	>80 >5 >2 >3 >30 >30 >150 >5	8 <1 0 0 0 0 <1 0 <1 0 <1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-1 0 <-	41 2 0 <1 0 4 0 2 0	29 <1 0 0 0 0 3 0 1 <1
Vanadium Cadmium ADDITIVES	ppm ppm	ASTM D5185m ASTM D5185m method	limit/base	0 0 current	<1 0 history1	0 0 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	60 0 1010 1070 1150 1270	0 0 54 0 907 1016 880 1188	<1 0 52 <1 810 929 855 1133	6 0 63 <1 925 1113 1007 1258
Sulfur	ppm	ASTM D5185m		3248	2239	3486
CONTAMINAN Silicon Sodium Potassium	ppm ppm ppm	ASTM D5185m ASTM D5185m	>20 >20	3 2 0	history1 7 10 3	history2 3 6 1
INFRA-RED Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7624 *ASTM D7415	limit/base >3 >20 >30	0.3 7.4 18.6	history1 1 14.3 25.7	history2 0.6 10.2 20.7
FLUID DEGRAD Oxidation Base Number (BN)	Abs/.1mm	method *ASTM D7414 ASTM D2896	limit/base >25 9.8	current 15.1 8.5	history1 26.2 5.1	history2 17.7 7.8



OIL ANALYSIS REPORT

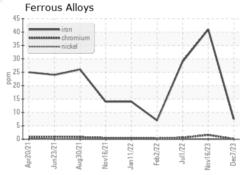


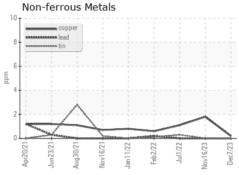


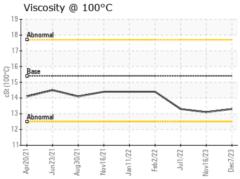
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

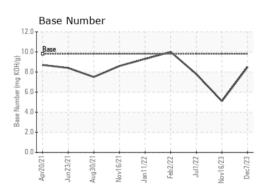
FLUID PROPE	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.3	13.1	13.3

GRAPHS













Certificate L2367

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

: GFL0105662 : 06030280 : 10780071

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Dec 2023 Diagnosed : 12 Dec 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)