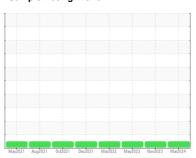


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id **4594M**

Component Diesel Engine

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.

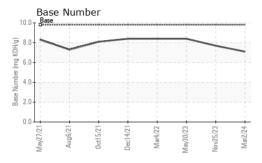
Fluid Condition

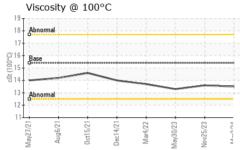
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Mm/2021 Aug/2021 Oc/2021 Dec/2021 Mm/2022 Mm/2023 Moc/2023 Mm/2024							
SAMPLE INFORM	NOITAN	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		GFL0108982 02 Mar 2024 10691 0 Not Changd NORMAL	GFL0101411 25 Nov 2023 10411 2600 Changed NORMAL	GFL0081367 30 May 2023 9064 6390 Changed NORMAL	
CONTAMINATI	ON	method	limit/base	current	history1	history2	
Fuel Water Glycol		WC Method WC Method	>0.2	<1.0 NEG NEG	<1.0 NEG NEG	<1.0 NEG NEG	
WEAR METALS	S	method	limit/base	current	history1	history2	
Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Antimony Vanadium Cadmium ADDITIVES Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m	60 0 1010	43 1 0 0 0 0 4 0 1 0 0 0 current 11 0 55 0 822	24 1 0 0 0 <1 3 0 1 <1 0 0 history1 2 0 54 <1 863	26 1 0 0 0 0 1 0 1 0 1 0 history2 3 0 55 <1 921	
Calcium Phosphorus	ppm ppm	ASTM D5185m ASTM D5185m	1070 1150	940 892	955 922	1001 983	
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m	1270 2060	1028 2526	1175 2675	1231 3426	
CONTAMINAN [*]	TS	method	limit/base	current	history1	history2	
Silicon Sodium Potassium	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	>25	6 14 1	5 9 4	7 10 <1	
INFRA-RED	0/	method	limit/base	current	history1	history2	
Soot % Nitration Sulfation	% Abs/cm Abs/.1mm	*ASTM D7844 *ASTM D7624 *ASTM D7415	>3 >20 >30	1.3 11.5 22.1	1 10.3 20.7	0.6 8.7 20.2	
FLUID DEGRADATION method limit/base current history1 history2							
Oxidation Base Number (BN)	Abs/.1mm mg KOH/g	*ASTM D7414 ASTM D2896	>25 9.8	18.5 7.1	16.7 7.7	16.6 8.4	



OIL ANALYSIS REPORT

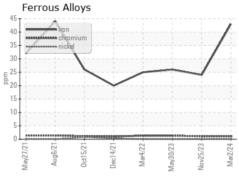


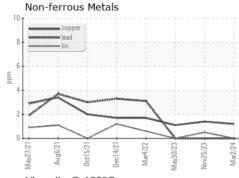


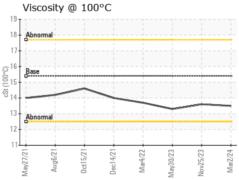
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual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

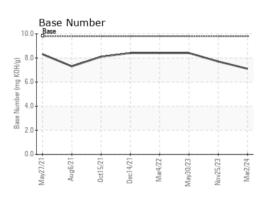
FLUID PROPERTIES		method				history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.6	13.3	

GRAPHS













Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: GFL0108982 Lab Number : 06108430 Unique Number: 10911927

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 05 Mar 2024 **Tested** : 08 Mar 2024

Diagnosed : 08 Mar 2024 - 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)