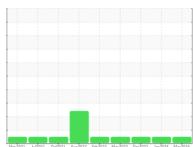


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
344M
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

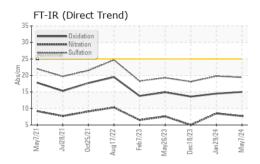
Fluid Condition

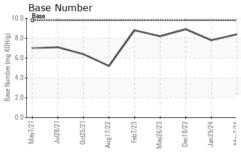
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

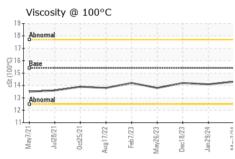
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2					
Sample Number		Client Info		GFL0117564	GFL0108707	GFL0105727					
Sample Date		Client Info		07 May 2024	29 Jan 2024	18 Dec 2023					
Machine Age	hrs	Client Info		26783	25477	25476					
Oil Age	hrs	Client Info		25477	25169	25169					
Oil Changed		Client Info		Not Changd	Changed	Not Changd					
Sample Status				NORMAL	NORMAL	NORMAL					
CONTAMINATION	ON	method	limit/base	current	history1	history2					
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0					
Water		WC Method		NEG	NEG	NEG					
Glycol		WC Method	70.L	NEG	NEG	NEG					
<u> </u>			11 11 11								
WEAR METALS	5	method	limit/base	current	history1	history2					
Iron	ppm	ASTM D5185m	>120	11	46	8					
Chromium	ppm	ASTM D5185m	>20	0	<1	<1					
Nickel	ppm	ASTM D5185m	>5	0	0	0					
Titanium	ppm	ASTM D5185m	>2	0	<1	0					
Silver	ppm	ASTM D5185m	>2	0	0	0					
Aluminum	ppm	ASTM D5185m	>20	3	11	2					
Lead	ppm	ASTM D5185m	>40	<1	1	0					
Copper	ppm	ASTM D5185m	>330	1	6	11					
Tin	ppm	ASTM D5185m	>15	<1	1	0					
Vanadium	ppm	ASTM D5185m		0	<1	0					
Cadmium	ppm	ASTM D5185m		0	<1	0					
ADDITIVES		method	limit/base	current	history1	history2					
Boron	ppm	ASTM D5185m	0	2	6	16					
Barium	ppm	ASTM D5185m	0	0	0	0					
Molybdenum	ppm	ASTM D5185m	60	57	54	59					
Manganese	ppm	ASTM D5185m	0	<1	<1	0					
Magnesium	ppm	ASTM D5185m	1010	901	923	864					
Calcium	ppm	ASTM D5185m	1070	1041	976	972					
Phosphorus	ppm	ASTM D5185m	1150	1063	1006	865					
Zinc	ppm	ASTM D5185m	1270	1222	1177	1105					
Sulfur	ppm	ASTM D5185m	2060	3471	2888	2884					
CONTAMINANT	ΓS	method	limit/base	current	history1	history2					
Silicon	ppm	ASTM D5185m	>25	8	15	8					
Sodium	ppm	ASTM D5185m		20	68	0					
Potassium	ppm	ASTM D5185m	>20	2	4	1					
INFRA-RED		method	limit/base	current	history1	history2					
Soot %	%	*ASTM D7844	>4	0.7	0.5	0.2					
Nitration	Abs/cm	*ASTM D7624	>20	7.7	8.5	5.0					
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.4	19.8	18.1					
Ganation		FLUID DEGRADATION method limit/base current history1 history2									
	ATION	method	limit/base	current	history1	history2					
FLUID DEGRAD					•	•					
FLUID DEGRAD Oxidation	ATION Abs/.1mm mg KOH/g	method *ASTM D7414 ASTM D2896	>25	current 15.0 8.4	history1 14.5 7.8	history2 13.6 8.9					

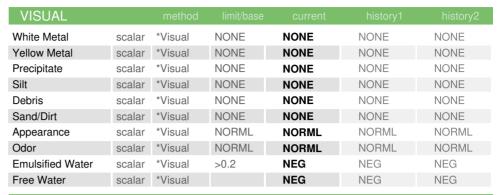


OIL ANALYSIS REPORT



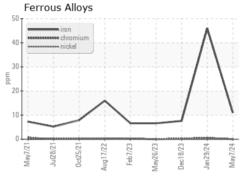




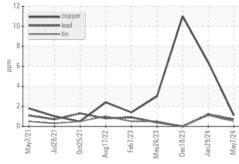


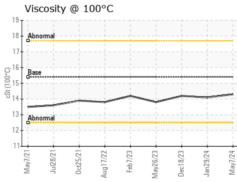
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	14.1	14.2

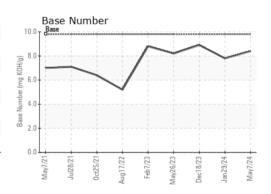
GRAPHS



Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

Lab Number : 06175195

: GFL0117564 Unique Number : 11021248 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 10 May 2024

Tested : 11 May 2024 Diagnosed

: 11 May 2024 - Wes Davis

US 48313 Contact: Frank Wolak fwolak@gflenv.com T: (586)825-9514

GFL Environmental - 415 - Michigan East

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

6200 Elmridge

Sterling Heights, MI