

OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
7844M
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

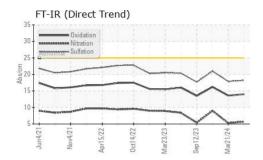
Fluid Condition

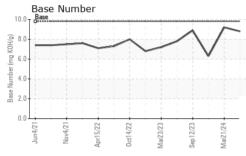
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

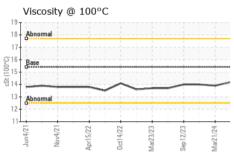
CAMPLE INFORM	MATION		li.ee:4/le.e.e.		المستعددا	histow.O
SAMPLE INFORM	VIATION		limit/base		history1	history2
Sample Number		Client Info		GFL0116872	GFL0116931	GFL0107073
Sample Date		Client Info		16 Apr 2024	21 Mar 2024	20 Dec 2023
Machine Age	hrs	Client Info		9920	9711	9296
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	6	3	12
Chromium	ppm	ASTM D5185m	>20	1	0	<1
Nickel	ppm	ASTM D5185m	>5	1	<1	1
Titanium	ppm	ASTM D5185m	>2	<1	<1	0
Silver	ppm	ASTM D5185m	>2	<1	0	0
Aluminum	ppm	ASTM D5185m	>20	3	<1	2
Lead	ppm	ASTM D5185m	>40	1	0	<1
Copper	ppm	ASTM D5185m	>330	1	3	2
Tin	ppm	ASTM D5185m	>15	1	0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	2	3	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	82	57	60
Manganese	ppm	ASTM D5185m	0	1	<1	0
Magnesium	ppm	ASTM D5185m	1010	1337	972	911
Calcium	ppm	ASTM D5185m	1070	1502	1091	1075
Phosphorus	ppm	ASTM D5185m	1150	1622	1034	925
Zinc	ppm	ASTM D5185m	1270	1799	1203	1194
Sulfur	ppm	ASTM D5185m	2060	5321	3706	2699
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	3	3
Sodium	ppm	ASTM D5185m		5	2	2
Potassium	ppm	ASTM D5185m	>20	2	0	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.1	0.2	0.9
Nitration	Abs/cm	*ASTM D7624	>20	5.7	5.3	9.0
Sulfation	Abs/.1mm	*ASTM D7415		18.2	17.9	21.0
- Canada						
FLUID DEGRAD	DATION	method	limit/base	current	history1	history2
FLUID DEGRAD						•
	Abs/.1mm mg KOH/g	method *ASTM D7414 ASTM D2896	limit/base >25 9.8	current 14.0 8.8	history1 13.6 9.2	history2 16.2 6.3

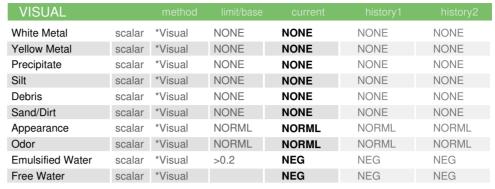


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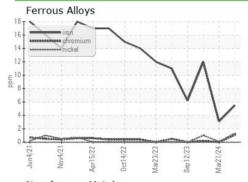




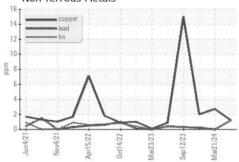


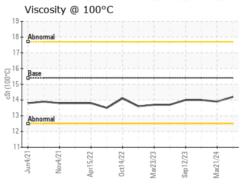
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	13.9	14.0

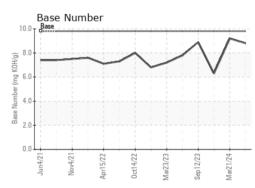
GRAPHS



Non-ferrous Metals











Certificate 12367

Laboratory Sample No.

: GFL0116872 Lab Number : 06152874 Unique Number : 10982952 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 18 Apr 2024 : 19 Apr 2024 Diagnosed : 22 Apr 2024 - Sean Felton GFL Environmental - 465 - Pontiac 888 Baldwin Pontiac, MI

US 48340 Contact: Ricky Matthews rickymathews@gflenv.com T: (586)825-9514

 st - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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)