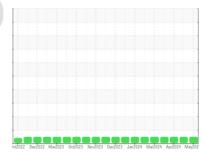


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id
713015
Component
Diesel Engine
Fluid

PETRO CANADA DURON SHP 15W40 (8 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

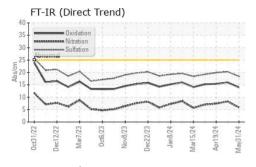
Fluid Condition

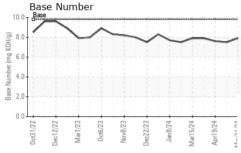
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

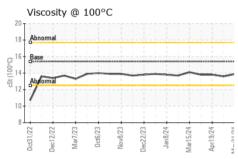
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0112254	GFL0112199	GFL0112203
Sample Date		Client Info		31 May 2024	10 May 2024	19 Apr 2024
Machine Age	hrs	Client Info		4681	4519	4377
Oil Age	hrs	Client Info		150	600	150
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINA	ΓΙΟΝ	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 METAI	_S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	4	15	12
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	3	2
Titanium	ppm	ASTM D5185m	>2	0	<1	<1
Silver	ppm	ASTM D5185m	>2	0	<1	<1
Aluminum	ppm	ASTM D5185m	>20	<1	2	3
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m	>330	<1	1	1
Tin	ppm	ASTM D5185m	>15	0	1	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	54	58	59
Manganese	ppm	ASTM D5185m	0	<1	0	<1
Magnesium	ppm	ASTM D5185m	1010	905	905	839
Calcium	ppm	ASTM D5185m	1070	1047	1029	1002
Phosphorus	ppm	ASTM D5185m	1150	1017	1033	835
Zinc	ppm	ASTM D5185m	1270	1196	1241	1101
Sulfur	ppm	ASTM D5185m	2060	3382	3018	2664
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	3	4
Sodium	ppm	ASTM D5185m		4	6	2
Potassium	ppm	ASTM D5185m	>20	<1	4	4
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.3	0.6	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.9	8.3	7.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	20.3	19.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	16.0	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	0.0	7.9	7.5	7.6

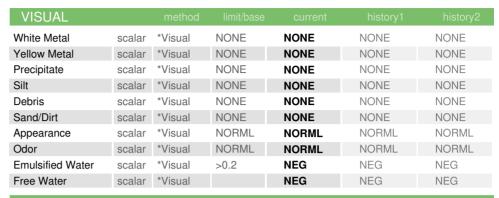


OIL ANALYSIS REPORT



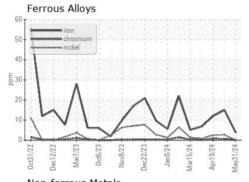


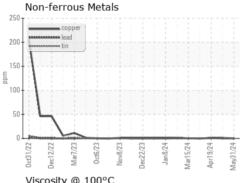


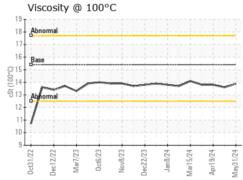


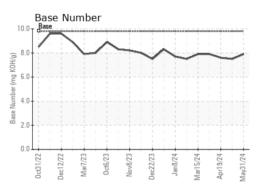
FLUID PROPE	EKITES	method	ilmit/base		nistory i	nistoryz
Visc @ 100°C	cSt	ASTM D445	15.4	13.88	13.6	13.8

GRAPHS













Laboratory Sample No.

: GFL0112254 Lab Number : 06198779 Unique Number : 11060902

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

: 04 Jun 2024 : 07 Jun 2024 Diagnosed : 07 Jun 2024 - Wes Davis

GFL Environmental - 829 - Wilco Hauling

5054 Highway HH Hartville, MO US 65667

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: James Jones james.jones@gflenv.com T: (417)349-5006

 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)

Submitted By: Jerry Hazel