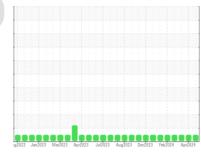


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id
912092
Component
Diesel Engine

PETRO CANADA DURON SHP 15W40 (600 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.

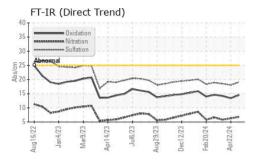
Fluid Condition

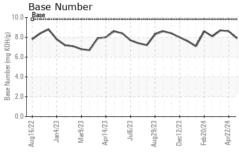
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

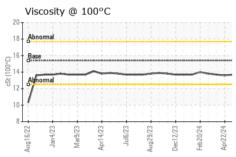
GAL)									
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0118664	GFL0117991	GFL0118636			
Sample Date		Client Info		16 May 2024	22 Apr 2024	12 Apr 2024			
Machine Age	hrs	Client Info		4371	0	4561			
Oil Age	hrs	Client Info		600	0	200			
Oil Changed		Client Info		Not Changd	N/A	Not Changd			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINAT	ION	method	limit/base	current	history1	history2			
Fuel		WC Method	>5	<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	>100	6	8	5			
Chromium	ppm	ASTM D5185m	>20	0	<1	<1			
Nickel	ppm	ASTM D5185m	>4	<1	0	2			
Titanium	ppm	ASTM D5185m		0	0	<1			
Silver	ppm	ASTM D5185m	>3	<1	0	<1			
Aluminum	ppm	ASTM D5185m	>20	2	2	1			
Lead	ppm	ASTM D5185m	>40	0	0	1			
Copper	ppm	ASTM D5185m	>330	3	0	2			
Tin	ppm	ASTM D5185m	>15	1	<1	1			
Vanadium	ppm	ASTM D5185m		0	0	<1			
Cadmium	ppm	ASTM D5185m		0	0	1			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	<1	11	0			
Barium	ppm	ASTM D5185m	0	0	0	0			
Molybdenum	ppm	ASTM D5185m	60	60	60	59			
Manganese	ppm	ASTM D5185m	0	<1	<1	1			
Magnesium	ppm	ASTM D5185m	1010	989	900	916			
Calcium	ppm	ASTM D5185m	1070	1051	1052	1066			
Phosphorus	ppm	ASTM D5185m	1150	1039	1004	1095			
Zinc	ppm	ASTM D5185m	1270	1264	1175	1198			
Sulfur	ppm	ASTM D5185m	2060	3429	3447	3436			
CONTAMINANTS method limit/base current history1 history2									
Silicon	ppm	ASTM D5185m	>25	4	3	4			
Sodium	ppm	ASTM D5185m		4	3	1			
Potassium	ppm	ASTM D5185m	>20	1	5	1			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.5	0.2	0.3			
Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.3	5.8			
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.1	18.0	18.5			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	13.4	14.2			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.9	8.6	8.7			
_ 430 (14m)	mg nong	. IO I III DE000	5.0	1.0	0.0	0.7			

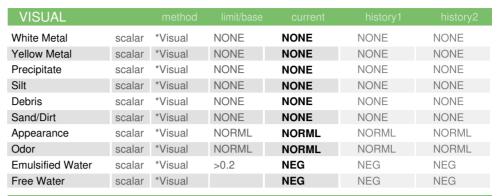


OIL ANALYSIS REPORT



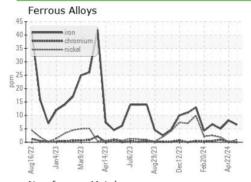


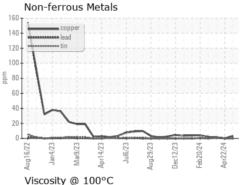


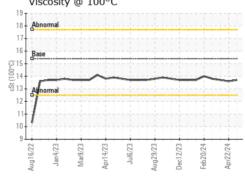


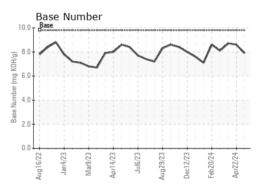
FLUID PROPI	ERTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.7	13.6	13.7

GRAPHS













Certificate 12367

Laboratory Sample No.

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0118664 Lab Number : 06185846 Unique Number : 11042598

Received : 21 May 2024 **Tested** Diagnosed

: 22 May 2024 : 22 May 2024 - Wes Davis

GFL Environmental - 166 - Phenix City 18 Old Brickyard Rd Phenix City, AL US 36869

Contact: DEAN PEACE JR dean.peace@gflenv.com

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)

T:

F: