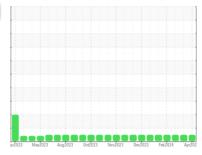


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 913179 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

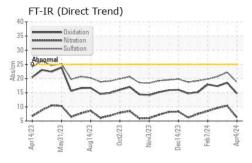
Fluid Condition

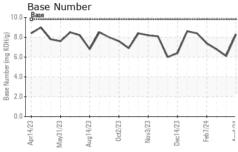
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

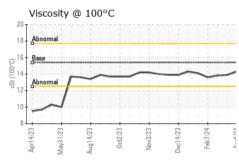
GAL)		pr2023 Man	2023 Aug2023 Oct202	23 Nov2023 Dec2023 Feb 21	024 Apr202				
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0115394	GFL0115371	GFL0115354			
Sample Date		Client Info		04 Apr 2024	19 Mar 2024	29 Feb 2024			
Machine Age	hrs	Client Info		3147	3007	2836			
Oil Age	hrs	Client Info		5989	5989	5989			
Oil Changed		Client Info		Changed	Changed	Changed			
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	3	20	14			
Chromium	ppm	ASTM D5185m	>20	0	<1	<1			
Nickel	ppm	ASTM D5185m	>4	2	4	3			
Titanium	ppm	ASTM D5185m		0	0	0			
Silver	ppm	ASTM D5185m	>3	0	<1	0			
Aluminum	ppm	ASTM D5185m	>20	2	3	2			
Lead	ppm	ASTM D5185m	>40	0	0	0			
Copper	ppm	ASTM D5185m	>330	0	3	2			
Tin	ppm	ASTM D5185m	>15	<1	0	0			
Vanadium	ppm	ASTM D5185m		0	<1	0			
Cadmium	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m	0	15	5	4			
Barium	ppm	ASTM D5185m	0	0	<1	0			
Molybdenum	ppm	ASTM D5185m	60	60	65	62			
Manganese	ppm	ASTM D5185m	0	<1	<1	<1			
Magnesium	ppm	ASTM D5185m	1010	924	1049	1125			
Calcium	ppm	ASTM D5185m	1070	1023	1214	1216			
Phosphorus	ppm	ASTM D5185m	1150	1045	1072	1141			
Zinc	ppm	ASTM D5185m	1270	1200	1399	1386			
Sulfur	ppm	ASTM D5185m	2060	3603	3612	3387			
CONTAMINANTS method limit/base current history1 history2									
Silicon	ppm	ASTM D5185m	>25	4	7	6			
Sodium	ppm	ASTM D5185m		2	5	4			
Potassium	ppm	ASTM D5185m	>20	4	12	8			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.3	0.8	0.6			
Nitration	Abs/cm	*ASTM D7624	>20	6.2	10.4	9.6			
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.7	22.2	20.7			
FLUID DEGRADATION method limit/base current history1 history2									
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.7	18.5	17.3			
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.3	6.1	6.8			
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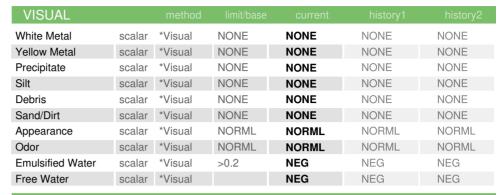


OIL ANALYSIS REPORT



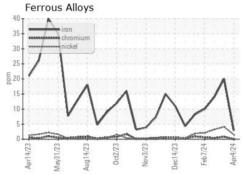


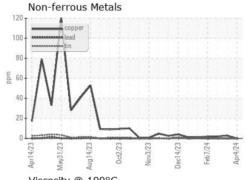


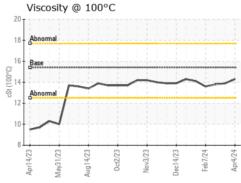


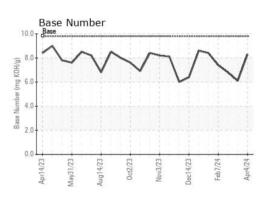
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.3	13.9	13.8

GRAPHS













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0115394 Lab Number : 06145166

Unique Number : 10969974

Received : 10 Apr 2024 **Tested** : 11 Apr 2024 Diagnosed

: 11 Apr 2024 - Wes Davis

4005 Hwy 161 N. Little Rock, AR US 72117

GFL Environmental - 814 - Little Rock Hauling

Contact: Brad Koenig bkoenig@gflenv.com T:

Test Package : FLEET Certificate 12367 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)

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