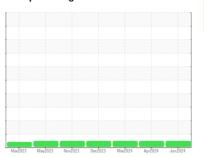


OIL ANALYSIS REPORT

Sample Rating Trend







Machine Id 913091 **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

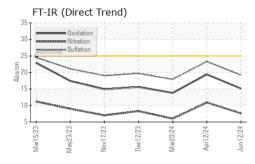
Fluid Condition

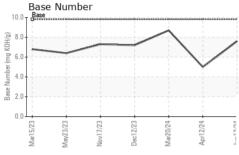
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

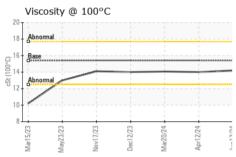
`	,									
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2				
Sample Number		Client Info		GFL0122391	GFL0117683	GFL0108741				
Sample Date		Client Info		12 Jun 2024	12 Apr 2024	20 Mar 2024				
Machine Age	hrs	Client Info		4328	3925	3738				
Oil Age	hrs	Client Info		3925	2939	3738				
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	5	21	7				
Chromium	ppm	ASTM D5185m	>20	0	2	<1				
Nickel	ppm	ASTM D5185m	>5	<1	3	<1				
Titanium	ppm	ASTM D5185m	>2	0	<1	<1				
Silver	ppm	ASTM D5185m	>2	<1	<1	0				
Aluminum	ppm	ASTM D5185m	>20	2	2	2				
Lead	ppm	ASTM D5185m	>40	0	2	<1				
Copper	ppm	ASTM D5185m	>330	<1	6	1				
Tin	ppm	ASTM D5185m	>15	<1	2	<1				
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	0	<1				
Barium	ppm	ASTM D5185m	0	0	0	0				
Molybdenum	ppm	ASTM D5185m	60	56	61	59				
Manganese	ppm	ASTM D5185m	0	<1	2	0				
Magnesium	ppm	ASTM D5185m	1010	970	895	910				
Calcium	ppm	ASTM D5185m	1070	1074	1080	1197				
Phosphorus	ppm	ASTM D5185m	1150	1042	1007	1014				
Zinc	ppm	ASTM D5185m	1270	1286	1193	1232				
Sulfur	ppm	ASTM D5185m	2060	3434	2787	3018				
CONTAMINAN	ITS	method	limit/base	current	history1	history2				
Silicon	ppm	ASTM D5185m	>25	3	5	7				
Sodium	ppm	ASTM D5185m		4	4	6				
Potassium	ppm	ASTM D5185m	>20	3	2	2				
INFRA-RED		method	limit/base	current	history1	history2				
Soot %	%	*ASTM D7844	>4	0.4	0.9	0.1				
Nitration	Abs/cm	*ASTM D7624	>20	7.6	10.9	6.0				
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.2	23.3	17.9				
FLUID DEGRADATION method limit/base current history1 history2										
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.1	19.4	13.8				
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	7.6	5.0	8.7				
(211)										

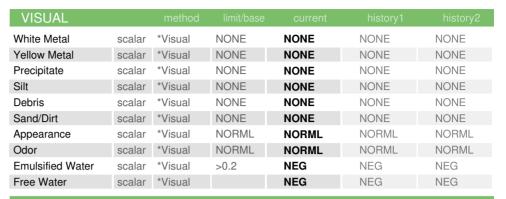


OIL ANALYSIS REPORT



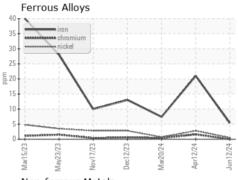


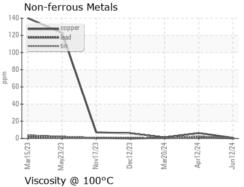


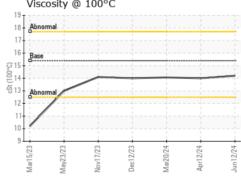


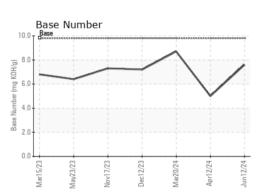
FLUID PROPE	ERITES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	14.2	14.0	14.07

GRAPHS













Certificate 12367

Sample No.

Laboratory Lab Number : 06215352

: GFL0122391 Unique Number : 11088216 Test Package : FLEET

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

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 20 Jun 2024 **Tested**

: 21 Jun 2024 Diagnosed : 21 Jun 2024 - Wes Davis

6200 Elmridge Sterling Heights, MI US 48313 Contact: Frank Wolak

GFL Environmental - 415 - Michigan East

fwolak@gflenv.com T: (586)825-9514

* - 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)