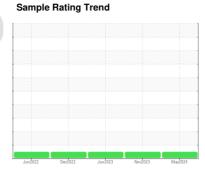


OIL ANALYSIS REPORT



Machine Id 920059 **Diesel Engine**

PETRO CANADA DURON SHP 15W40 (10 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

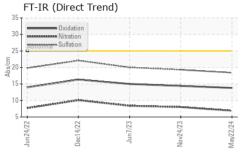
Fluid Condition

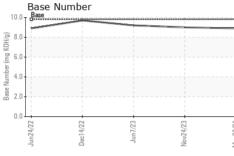
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

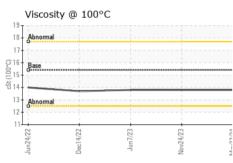
SAMPLE INFOR	RMATION	method				history2
Sample Number		Client Info		GFL0100411	GFL0100430	GFL0076919
Sample Date		Client Info		22 May 2024	24 Nov 2023	07 Jun 2023
Machine Age	hrs	Client Info		25982	25768	25470
Oil Age	hrs	Client Info		214	298	338
Oil Changed		Client Info		Changed	Changed	Changed
Sample 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 META	LS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	8	13	11
Chromium	ppm	ASTM D5185m	>20	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	0
Titanium	ppm	ASTM D5185m	>2	<1	0	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	5	1
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m	>330	<1	1	1
Tin	ppm	ASTM D5185m	>15	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	12	11	13
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	60	63	63
Manganese	ppm	ASTM D5185m	0	<1	0	0
Magnesium	ppm	ASTM D5185m	1010	894	917	952
Calcium	ppm	ASTM D5185m	1070	1075	1069	1107
Phosphorus	ppm	ASTM D5185m	1150	975	941	980
Zinc	ppm	ASTM D5185m	1270	1135	1181	1198
Sulfur	ppm	ASTM D5185m	2060	3294	3008	3531
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	3	5	4
Sodium	ppm	ASTM D5185m		6	8	7
Potassium	ppm	ASTM D5185m	>20	1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	0.5	0.9	0.9
Nitration	Abs/cm	*ASTM D7624	>20	6.9	8.0	8.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	19.3	20.0
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.8	14.4	15.0
Base Number (BN)	mg KOH/g	ASTM D2896	9.8	8.9	9.0	9.2

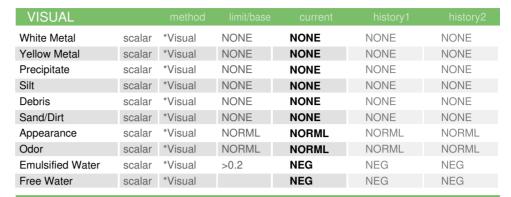


OIL ANALYSIS REPORT



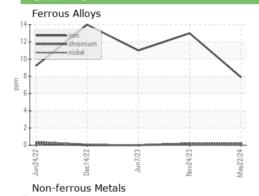


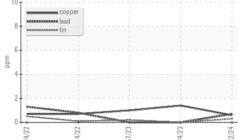


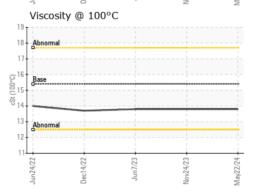


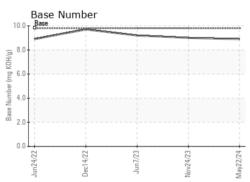
FLUID PROPERTIES		method			history1	history2	
Visc @ 100°C	cSt	ASTM D445	15.4	13.8	13.8	13.8	

GRAPHS













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : GFL0100411 Lab Number : 06196115 Unique Number : 11058238

Test Package : FLEET

Received : 30 May 2024 **Tested**

: 31 May 2024 Diagnosed : 31 May 2024 - Wes Davis

GFL Environmental - 900 - Antigo HC

1715 Deleglise St. Antigo, WI US 54409

Contact: Kirk Koss kirk.koss@gflenv.com T: (715)571-2784

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)