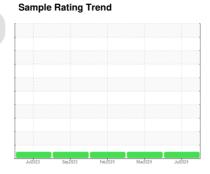


OIL ANALYSIS REPORT



Machine Id 929041 **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

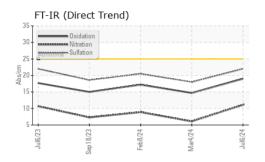
Fluid Condition

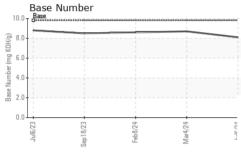
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

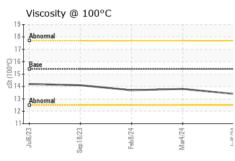
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0118157	GFL0098086	GFL0098071
Sample Date		Client Info		06 Jul 2024	04 Mar 2024	08 Feb 2024
Machine Age	hrs	Client Info		12726	12197	12072
Oil Age	hrs	Client Info		529	125	582
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATI	ON	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 METALS	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	23	4	22
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	1	0	2
Titanium	ppm	ASTM D5185m	>2	<1	0	2
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>20	13	<1	11
Lead	ppm	ASTM D5185m	>40	0	0	0
Copper	ppm	ASTM D5185m	>330	3	0	3
Tin	ppm	ASTM D5185m	>15	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	0	8
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	60	58	54	52
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	1010	916	884	807
Calcium	ppm	ASTM D5185m	1070	1087	951	988
Phosphorus	ppm	ASTM D5185m	1150	1033	887	894
Zinc	ppm	ASTM D5185m	1270	1218	1079	1040
Sulfur	ppm	ASTM D5185m	2060	2765	2824	2873
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	7	2	7
Sodium	ppm	ASTM D5185m		4	2	3
Potassium	ppm	ASTM D5185m	>20	2	0	3
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>4	1	0.2	0.6
Nitration	Abs/cm	*ASTM D7624	>20	11.1	6.1	8.9
0 11 11	Abs/.1mm	*ASTM D7415	>30	22.0	18.0	20.5
Sulfation						
FLUID DEGRAD	ATION	method	limit/base	current	history1	history2
	ATION Abs/.1mm	method *ASTM D7414	limit/base >25	current 19.0	history1 14.7	history2 17.2

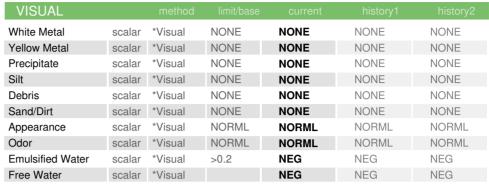


OIL ANALYSIS REPORT



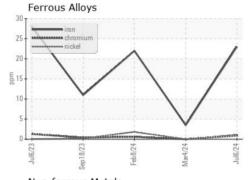


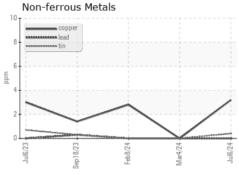


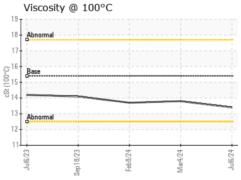


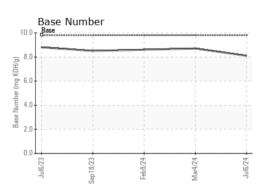
FLUID PROPI	EKIIES	method	ilmit/base		nistory i	nistory∠
Visc @ 100°C	cSt	ASTM D445	15.4	13.4	13.8	13.7

GRAPHS













Laboratory Sample No. Lab Number : 06234596

: GFL0118157 Unique Number : 11123430

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 12 Jul 2024

Tested : 15 Jul 2024 Diagnosed : 15 Jul 2024 - Don Baldridge

GFL Environmental - 932 - Muskego HC

W144 S6400 College Ct. Muskego, WI US 53150

Contact: Brian Schlomann brian.schlomann@gflenv.com T: (262)510-4586

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)