

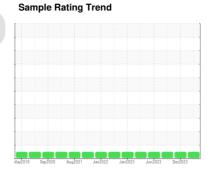
OIL ANALYSIS REPORT



(MX3195) **FREIGHTLINER 11285**

Diesel Engine

PETRO CANADA DURON SHP 15W40 (20 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

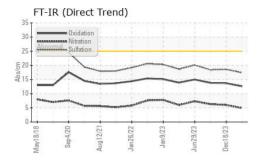
Fluid Condition

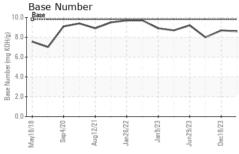
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

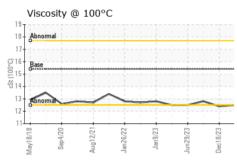
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		GFL0109656	GFL0087498	GFL0087525			
Sample Date		Client Info		19 Apr 2024	18 Dec 2023	10 Oct 2023			
Machine Age	hrs	Client Info		4992	4921	4874			
Ü	hrs	Client Info		263	192	145			
Oil Changed		Client Info		Not Changd	Changed	Not Changd			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATIO	NC	method	limit/base	current	history1	history2			
Fuel		WC Method	>5	<1.0	0.3	<1.0			
Water		WC Method	>0.2	NEG	NEG	NEG			
Glycol		WC Method		NEG	NEG	NEG			
WEAR METALS	;	method	limit/base	current	history1	history2			
Iron	ppm	ASTM D5185m	>100	4	13	14			
Chromium	ppm	ASTM D5185m	>20	<1	<1	<1			
Nickel	ppm	ASTM D5185m	>2	0	<1	0			
	ppm	ASTM D5185m	>2	0	<1	0			
	ppm	ASTM D5185m	>2	<1	0	0			
	ppm	ASTM D5185m	>25	<1	1	0			
	ppm	ASTM D5185m	>40	0	0	1			
	ppm		>330	2	<1	<1			
	ppm	ASTM D5185m	>15	0	<1	0			
	ppm	ASTM D5185m	7.0	0	0	0			
	ppm	ASTM D5185m		0	0	0			
ADDITIVES		method	limit/base	current	history1	history2			
_	ppm	ASTM D5185m	0	21	9	10			
	ppm		0	2	0	0			
	ppm	ASTM D5185m	60	61	64	61			
	ppm		0	1	0	0			
	ppm	ASTM D5185m	1010	891	927	878			
J	ppm	ASTM D5185m	1070	1135	1181	1249			
	ppm	ASTM D5185m	1150	1046	1139	982			
	ppm	ASTM D5185m	1270	1198	1275	1212			
	ppm	ASTM D5185m	2060	3598	3231	3010			
CONTAMINANT		method	limit/base	current	history1	history2			
Silicon	ppm	ASTM D5185m	>25	2	3	3			
	ppm	ASTM D5185m	-	2	<1	3			
	ppm	ASTM D5185m	>20	0	2	0			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>3	0.2	0.5	0.4			
	Abs/cm	*ASTM D7624	>20	4.9	6.0	6.3			
	Abs/.1mm	*ASTM D7415	>30	17.4	18.6	18.4			
FLUID DEGRADATION method limit/base current history1 history2									
	Abs/.1mm	*ASTM D7414	>25	12.6	13.7	13.8			
	mg KOH/g	ASTM D2896			8.7	8.0			
Dast Nullibel (DIV)	ilig NO⊓/g	49 LIVI D5030	3.0	8.6	0.7	0.0			

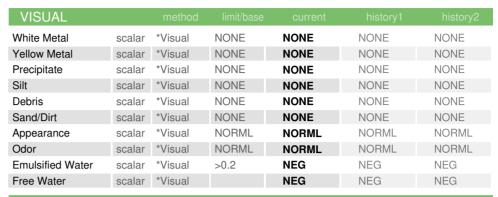


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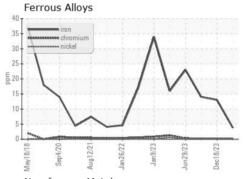


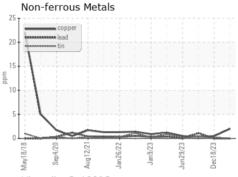


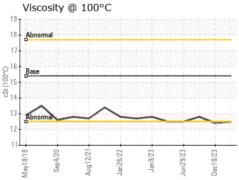


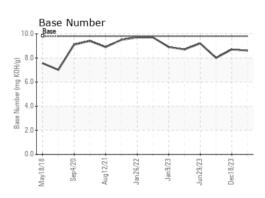
FLUID PROPI	ERHES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	12.5	12.4	12.8

GRAPHS













Sample No.

: GFL0109656 Lab Number : 06155595 Unique Number : 10991018

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 22 Apr 2024 **Tested** Diagnosed

: 23 Apr 2024 : 23 Apr 2024 - Wes Davis

GFL Environmental - 331 - Columbus

180 Ada Moore Rd Columbus, NC US 28722

Contact: Matt Segars

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.

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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: GFL331 [WUSCAR] 06155595 (Generated: 04/23/2024 16:21:03) Rev: 1

Submitted By: Matt Segars