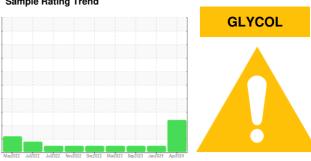


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id 422042-24

Diesel Engine

MOBIL DELVAC 1300 SUPER15W40 (10 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Sodium and/or potassium levels are high. Test for glycol is negative.

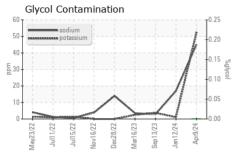
Fluid Condition

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.

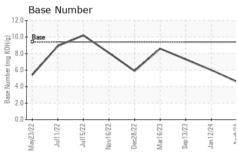
Maylozz Judozz Judozz Londozz Nordozz Omdozz Markoza Saploza Jankoz4 Apriloz4						
SAMPLE INFOR	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0110804	GFL0088462	GFL0088472
Sample Date		Client Info		09 Apr 2024	12 Jan 2024	13 Sep 2023
Machine Age	hrs	Client Info		24710	24154	23634
Oil Age	hrs	Client Info		600	600	600
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	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
WEAR METAL	S	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	10	8	4
Chromium	ppm	ASTM D5185m	>20	0	0	<1
Nickel	ppm	ASTM D5185m	>4	0	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>20	1	3	2
Lead	ppm	ASTM D5185m	>40	0	0	1
Copper	ppm	ASTM D5185m	>330	0	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	1
Vanadium	ppm	ASTM D5185m		0	<1	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	33	214	327
Barium	ppm	ASTM D5185m	0	0	0	44
Molybdenum	ppm	ASTM D5185m	0	14	84	74
Manganese	ppm	ASTM D5185m		0	0	1
Magnesium	ppm	ASTM D5185m	0	44	355	363
Calcium	ppm	ASTM D5185m		2052	1322	1242
Phosphorus	ppm	ASTM D5185m		885	1065	927
Zinc	ppm	ASTM D5185m		1033	1225	1162
Sulfur	ppm	ASTM D5185m		3465	3122	3456
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	5	6	6
Sodium	ppm	ASTM D5185m		4 5	17	3
Potassium	ppm	ASTM D5185m	>20	<u>▲</u> 52	1	4
Glycol	%	*ASTM D2982		0.0	NEG	NEG
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.2
Nitration	Abs/cm	*ASTM D7624	>20	10.4	8.8	7.0
Sulfation	Abs/.1mm	*ASTM D7415	>30	25.2	22.3	18.9
FLUID DEGRA	DATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	19.5	16.6	12.8
Base Number (BN)	mg KOH/g	ASTM D2896	9.4	4.6	6.0	7.3
(211)						

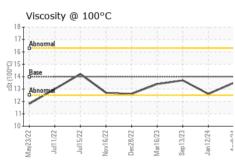


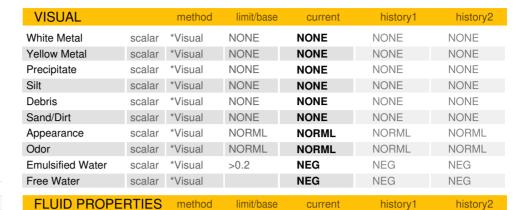
OIL ANALYSIS REPORT



	IR (Di	rect 1	rend)				
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	ormal		And of Passes	1			and the second second	
15						_		desking.
5 22	22	S.	22	- 22	C	23	ARRESTS SECTION	24
May23/22	Jul11/	Jul15/	Nov16/22	Dec28/2;	Mar16/23	Sep13/	Jan12/	Apr9/24





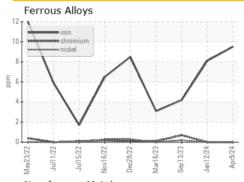


13.5

12.6

13.7

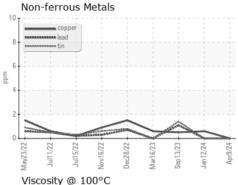
Visc @ 100)°C
GRAPH	IS

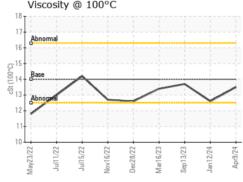


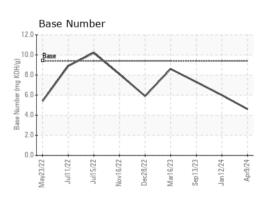
cSt

ASTM D445

14











Certificate 12367

Sample No.

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

: GFL0110804 Lab Number : 06148216

Received **Tested** Unique Number : 10978294

: 15 Apr 2024 : 17 Apr 2024 Diagnosed : 17 Apr 2024 - Jonathan Hester

1064 Franke Industrial Augusta, GA US 30909

jeff.washington@gflenv.com

GFL Environmental - 146 - Augusta

Contact: JEFFERY WASHINGTON

Test Package : FLEET (Additional Tests: Glycol) To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

T:

F: