WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

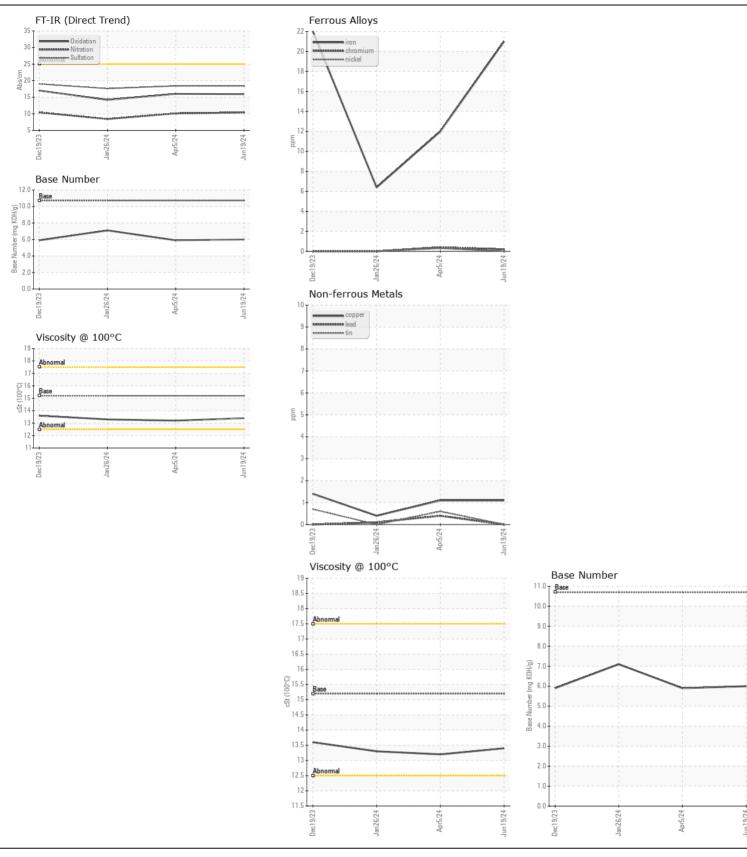
Machine Id

KENWORTH 413060

Diesel Engine

MOBIL DELVAC ELITE 15W40 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
1200 Millert BATTON	Sample Number		Client Info		GFL0111291	GFL0111265	GFL011135
Resample at the next service interval to monitor.	Sample Date		Client Info		19 Jun 2024	05 Apr 2024	26 Jan 202
	Machine Age	hrs	Client Info		3138	2691	2262
	Oil Age	hrs	Client Info		447	429	500
	Filter Age	hrs	Client Info		0	0	500
	Oil Changed	1110	Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status		Oliciti illio		NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	21	12	6
VEAN	Chromium		ASTM D5185m		<1	<1	0
All component wear rates are normal.		ppm					
	Nickel	ppm	ASTM D5185m	>4	0	<1	0
	Titanium	ppm	ASTM D5185m		0	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		12	8	5
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m	>330	1	1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	11	10	8
	Potassium	ppm	ASTM D5185m	>20	26	15	6
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.3	0.1
	Nitration	Abs/cm		>20	10.4	10.1	8.4
	Sulfation	Abs/.1mm	*ASTM D7415		18.4	18.4	17.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORMI
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	C- di		ACTM DC105		• • • • • • • • • • • • • • • • • • • •		
LUID CONDITION	Sodium	ppm	ASTM D5185m		3	1	3
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		70	88	119
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		149	140	118
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		776	720	629
	Calcium	ppm	ASTM D5185m		1417	1330	1153
	Phosphorus	ppm	ASTM D5185m		834	774	682
	Zinc	ppm	ASTM D5185m		1004	908	767
	Sulfur	ppm	ASTM D5185m		3579	3530	2949
	Oxidation	Abs/.1mm	*ASTM D7414	>25	15.9	16.0	14.2
	Base Number (BN)	mg KOH/g	ASTM D2896	10.7	6.0	5.9	7.1







Certificate L2367

Laboratory Sample No.

Lab Number : 06241414 Unique Number : 11130248 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : GFL0111291 : 19 Jul 2024 **Tested** : 20 Jul 2024

Diagnosed : 20 Jul 2024 - Wes Davis

GFL Environmental - 981 - Port Arthur Hauling

1000 S Business Park Dr Port Arthur, TX US 77640

Contact: MICHAEL KAY

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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)