WEAR CONTAMINATION FLUID CONDITION

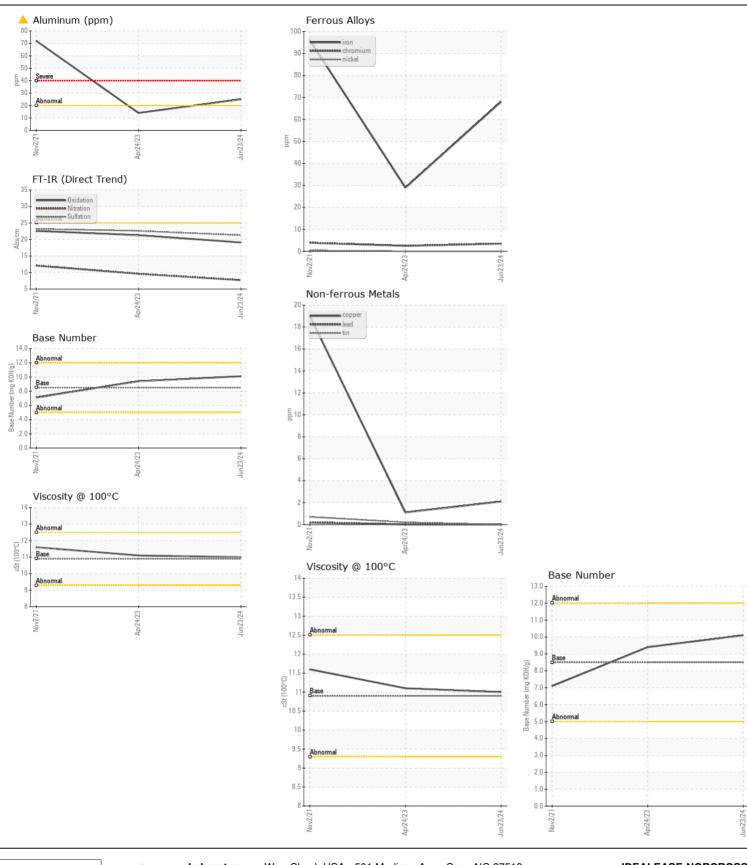
ABNORMAL NORMAL NORMAL

Machine Id

6227000

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info	Little	IL06217767	IL05828651	IL05415128
No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Date		Client Info		23 Jun 2024	24 Apr 2023	02 Nov 2021
	Machine Age	mls	Client Info		0	0	0
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				ABNORMAL	NORMAL	ABNORMAL
WEAR	Iron	nnm	ASTM D5185m	. 100	68	29	06
WEAR	Iron Chromium	ppm	ASTM D5185m		4	29	96
The aluminum level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m	>4	0	0	<1
	Silver	ppm	ASTM D5185m	. 2	0	0	0
	Aluminum	ppm	ASTM D5185m		<u>↓</u> 25	14	72
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		2	1	19
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m	>15	<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		11	12	<u>^</u> 26
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		7	17	210
	Fuel		WC Method		<1.0	<1.0	0.9
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.5	0.7	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	7.7	9.6	12.1
	Sulfation	Abs/.1mm	*ASTM D7415		21.3	22.6	23.2
	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	NORML
	Odor Emulsified Water	scalar	*Visual	NORML >0.2	NORML NEG	NORML NEG	NORML NEG
		Scalai	VISUAI	>0.2	NEG	INEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	1	8
	Boron	ppm	ASTM D5185m	250	42	29	32
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.	Barium	ppm	ASTM D5185m	10	0	0	4
	Molybdenum	ppm	ASTM D5185m		48	47	51
	Manganese	ppm	ASTM D5185m		1	<1	5
	Magnesium	ppm	ASTM D5185m	450	533	502	890
	Calcium	ppm	ASTM D5185m	3000	1786	1669	1302
	Phosphorus	ppm	ASTM D5185m	1150	822	740	756
	Zinc	ppm	ASTM D5185m	1350	973	915	930
	Sulfur	ppm	ASTM D5185m	4250	2837	2330	1915
	Oxidation	Abs/.1mm	*ASTM D7414	>25	19.1	21.3	22.6
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	10.1	9.4	7.1







Certificate L2367

Laboratory Sample No.

: IL06217767 Lab Number : 06217767 Unique Number : 11090631 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed : 25 Jun 2024 - Don Baldridge **IDEALEASE-NORCROSS**

4571 NORTH BUFORD HWY NORCROSS, GA US 30071-2808

Contact: RICK MARKS

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) F: (770)300-0614