WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

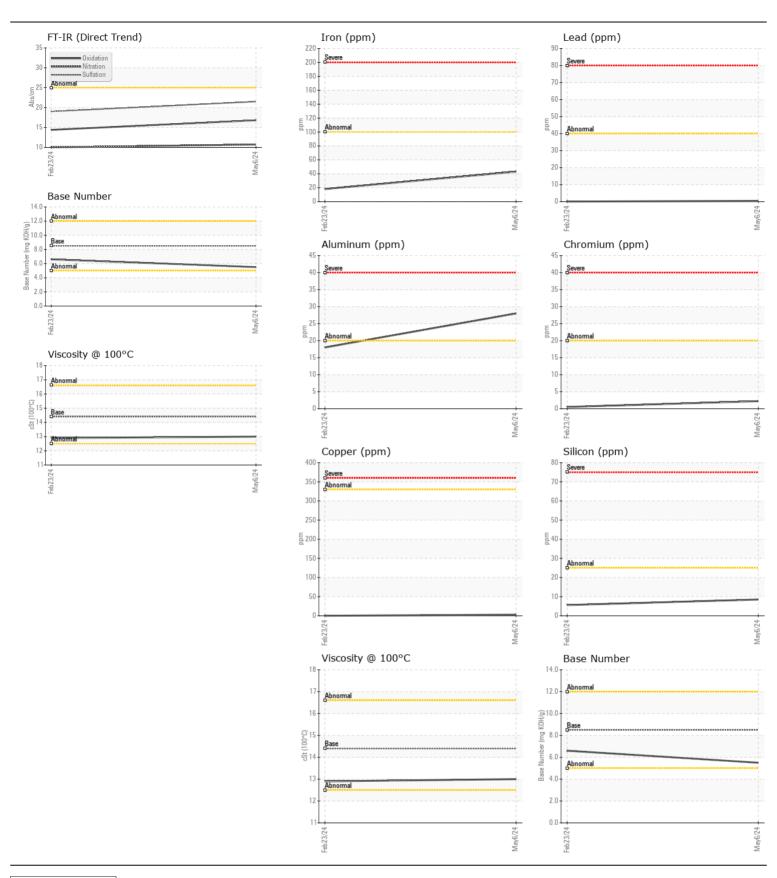
Machine Id

INTERNATIONAL 1813

Component

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0932858	WC0906127	
	Sample Date		Client Info		06 May 2024	23 Feb 2024	
	Machine Age	mls	Client Info		24172	0	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	Not Changd	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	43	18	
	Chromium	ppm	ASTM D5185m		2	<1	
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		- <1	<1	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m		28	18	
	Lead	ppm	ASTM D5185m		<1	0	
	Copper	ppm	ASTM D5185m		3	0	
	Tin	ppm	ASTM D5185m		1	<1	
	Vanadium	ppm	ASTM D5185m		<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTANUNATION	O'''						
CONTAMINATION	Silicon	ppm	ASTM D5185m		8	6	
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		59	34	
	Fuel		WC Method	>2.0	<1.0 NEG	<1.0 NEG	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol Soot %	%	*ASTM D7844	. 2	0.9	0.5	
	Nitration	Abs/cm	*ASTM D7624	>20	10.7	10.0	
	Sulfation	Abs/.1mm	*ASTM D7024		21.5	19.0	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
THE CONDITION							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	2	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		32	48	
	Barium	ppm	ASTM D5185m		0	0	
	Molybdenum	ppm	ASTM D5185m	100	89	79	
	Maganese	ppm	ASTM D5185m	150	<1	<1 122	
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		117 2153	2037	
	Phosphorus	ppm	ASTM D5185m		1064	1024	
	Zinc	ppm	ASTM D5185m		1232	1206	
	Sulfur	ppm	ASTM D5185m		3991	4164	
	Oxidation	ppm Abs/.1mm	*ASTM D3163111		16.8	14.4	
	Base Number (BN)				5.5	6.6	
	Dasc Nullibel (DIV)	my Korry	AOTIVI DE030	0.0	3.3	0.0	





Certificate L2367

Laboratory Sample No.

Lab Number : 06189070 Unique Number : 11045822

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0932858

Tested Test Package : MOB 1 (Additional Tests: TBN)

: 24 May 2024 - Wes Davis Diagnosed

Received

: 23 May 2024

: 24 May 2024

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. WAKE COUNTY PUBLIC SCHOOL SYSTEM

1551 ROCK QUARRY ROAD RALEIGH, NC US 27610

Contact: DEVIN WEBER

dweber@wcpss.net T: (919)856-8076

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: