WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

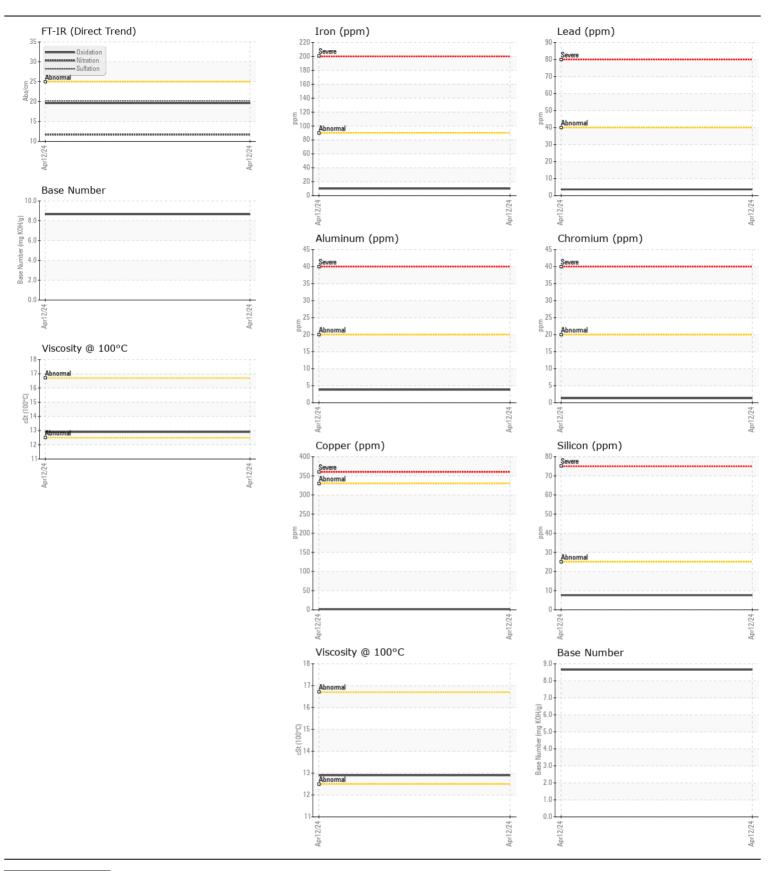
OIL ANALYSIS REPORT

Machine Id

ONAN ONAN - ASRC FEDERAL Diesel Engine

Fluid C L4 15W40 (12 OTS)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History ²
	Sample Number		Client Info		TR06193040		
Resample at the next service interval to monitor.	Sample Date		Client Info		12 Apr 2024		
	Machine Age	hrs	Client Info		7930		
	Oil Age	hrs	Client Info		300		
	Filter Age	hrs	Client Info		300		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	nnm	ASTM D5185m	> 00	10		
VEAN		ppm					
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1		
	Nickel	ppm	ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m		1		
	Aluminum	ppm	ASTM D5185m		4		
	Lead	ppm	ASTM D5185m		4		
	Copper	ppm	ASTM D5185m		2		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	8		
OSITIAMINATION	Potassium	ppm	ASTM D5185m		2		
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	<i>></i> 0.2	NEG		
	Soot %	%	*ASTM D7844	- 6	0.5		
	Nitration		*ASTM D7624				
		Abs/cm		>20	11.7		
	Sulfation	Abs/.1mm	*ASTM D7415		20.2		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		3		
	Boron	ppm	ASTM D5185m		47		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m		75		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		69		
	Calcium	ppm	ASTM D5185m		1736		
	Phosphorus	ppm	ASTM D5185m		807		
	Zinc	ppm	ASTM D5185m		989		
	Sulfur		ASTM D5185m		3338		
	Oxidation	ppm Abs/1mm	*ASTM D3163111	> 2F			
	Base Number (BN)	Abs/.1mm		>20	19.6		
	Dase Number (BN)	IIIQ NUM/Q	49 LIVI D5896		8.65		





Certificate L2367

Laboratory Sample No.

: TR06193040 Lab Number : 06193040 Unique Number : 11049792 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received **Tested**

: 28 May 2024 : 30 May 2024 Diagnosed : 30 May 2024 - Wes Davis

WIE - WESTERN INDUSTRIAL EQUIPMENT

10761 N WILSON RD LAKE CITY, MI US 49651

Contact: JOHN HIGGINS

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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: