WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

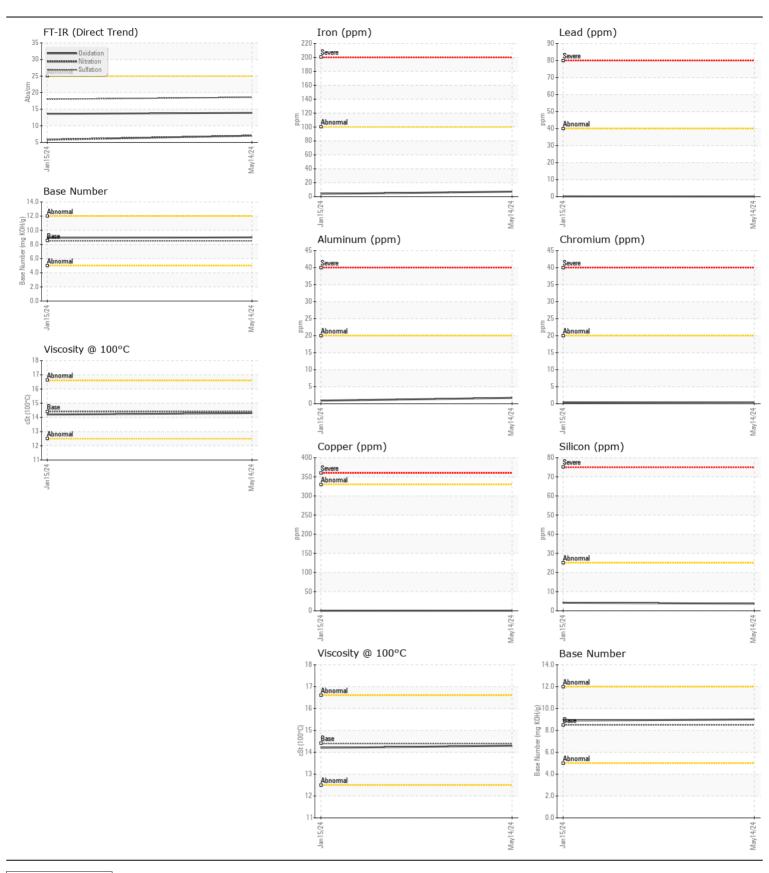
Machine Id

## OSHKOSH 4398

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- GAL)

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0917068	WC0878728	
	Sample Date		Client Info		14 May 2024	15 Jan 2024	
	Machine Age	mls	Client Info		57314	46784	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
/EAR	Iron	nnm	ASTM D5185m	. 100	7	4	
/EAN		ppm					
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		<1	<1	
	Nickel	ppm	ASTM D5185m	>4	0	0	
	Titanium	ppm	ASTM D5185m	_	0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		2	<1	
	Lead	ppm	ASTM D5185m		0	<1	
	Copper	ppm	ASTM D5185m	>330	<1	0	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		0	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	4	
ONTAMINATION	Potassium	ppm	ASTM D5185m		2	1	
There is no indication of any contamination in the oil.	Fuel	ppiii		>5	<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	>0.2	NEG	NEG	
	•	0/		0			
	Soot %	%	*ASTM D7844		0.5	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	7.0	5.8	
	Sulfation	Abs/.1mm	*ASTM D7415		18.6	18.0	
	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	scalar	*Visual	>0.2	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>158	1	2	
	Boron	ppm	ASTM D5185m	250	2	10	
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		0	0	
	Molybdenum	ppm	ASTM D5185m		66	52	
	Manganese	ppm	ASTM D5185m		0	<1	
	Magnesium	ppm	ASTM D5185m	450	1058	922	
	Calcium	ppm	ASTM D5185m		1148	1100	
	Phosphorus	• • • • • • • • • • • • • • • • • • • •	ASTM D5185m		1229	1034	
	•	ppm					
	Zinc	ppm	ASTM D5185m		1404	1189	
	Sulfur	ppm	ASTM D5185m		3467	3117	
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		13.9 9.0	13.6 8.9	
				OF		0.0	





Laboratory Sample No.

Lab Number : 06214238 Unique Number : 11087102

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917068

Received **Tested** Diagnosed

: 19 Jun 2024 : 20 Jun 2024 : 20 Jun 2024 - Wes Davis

**CONCRETE SERVICE CO - FAY BLOCK** 161 BUILDERS BLVD FAYETTEVILLE, NC US 28301

Contact: BRYAN VANNIMAN bryanvanniman@fayblock.com T: (800)326-9198

Test Package : MOB 1 ( Additional Tests: TBN ) Certificate L2367 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)