

Machine Id OSHKOSH 4420 Component Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (--- GAL)

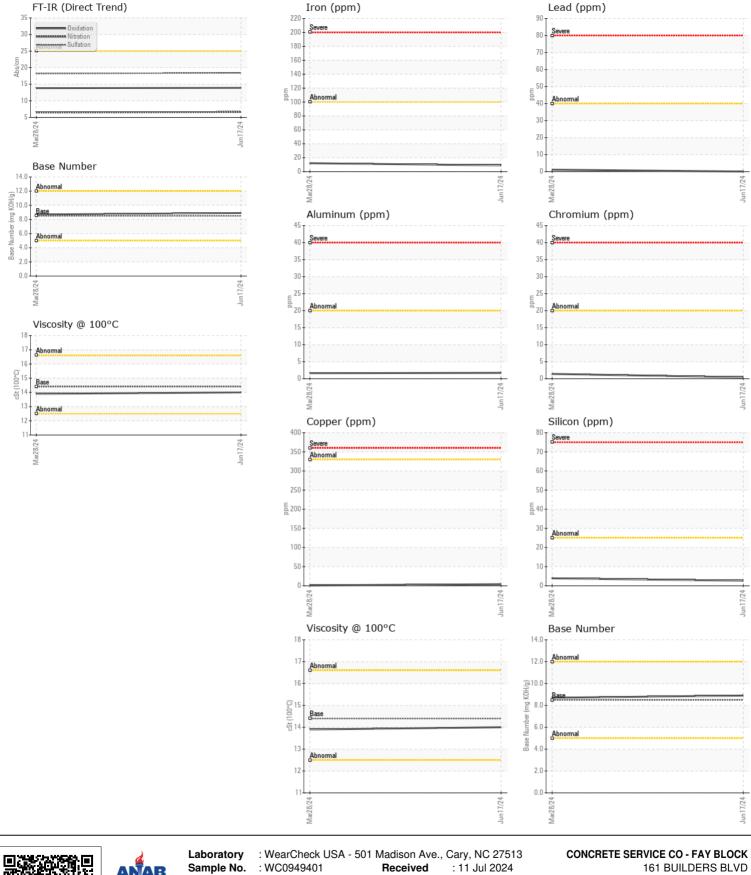
					<u> </u>		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0949401	WC0917282	
	Sample Date		Client Info		17 Jun 2024	28 Mar 2024	
	Machine Age	mls	Client Info		16783	12448	
	Oil Age	mls	Client Info		0	0	
	Filter Age	mls	Client Info		0	0	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	9	12	
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m	>20	<1	1	
	Nickel	ppm	ASTM D5185m	>4	0	1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	>3	<1	<1	
	Aluminum	ppm	ASTM D5185m	>20	2	2	
	Lead	ppm	ASTM D5185m	>40	0	1	
	Copper	ppm	ASTM D5185m	>330	4	1	
	Tin	ppm	ASTM D5185m		<1	1	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	0'''				• • • • • • • • • • • • • • • • • • • •	4	
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		3 5	4	
There is no indication of any contamination in the oil.	Fuel	ppm		>20 >5	5 <1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol		WC Method	20.2	NEG	NEG	
	Soot %	%	*ASTM D7844	13	0.2	0.4	
	Nitration	Abs/cm	*ASTM D7624	>20	6.6	6.5	
	Sulfation	Abs/.1mm	*ASTM D7415		18.4	18.2	
	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	
FLUID CONDITION							
	Sodium	ppm	ASTM D5185m		<1	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		7	3	
	Barium	ppm		10	0	0	
	Molybdenum	ppm	ASTM D5185m	100	57	50	
	Manganese	ppm	ASTM D5185m		<1	1	
	Magnesium	ppm	ASTM D5185m		893	799	
	Calcium	ppm	ASTM D5185m	3000	1148	921	
	Phosphorus	ppm	ASTM D5185m		1074	1012	
	Zinc	ppm	ASTM D5185m		1223	1058	
	Sulfur	ppm	ASTM D5185m		3082	3272	
	Oxidation	Abs/.1mm	*ASTM D7414		13.9	13.8	
	Base Number (BN)	0 0	ASTM D2896	8.5	8.9	8.7	
	Vian @ 100%	~C+	ACTM D44E	4//		10.0	

Visc @ 100°C cSt

ASTM D445 14.4

13.9

14.0



Lab Number : 06233010 Tested FAYETTEVILLE, NC : 11 Jul 2024 Unique Number : 11116503 Diagnosed : 11 Jul 2024 - Wes Davis US 28301 Test Package : MOB 1 (Additional Tests: TBN) Contact: BRYAN VANNIMAN Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. bryanvanniman@fayblock.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (800)326-9198 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: