

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

OSHKOSH MIXER 4378

Diesel Engine

MOBIL 15W40 (--- GAL)

IΑ			

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the component.

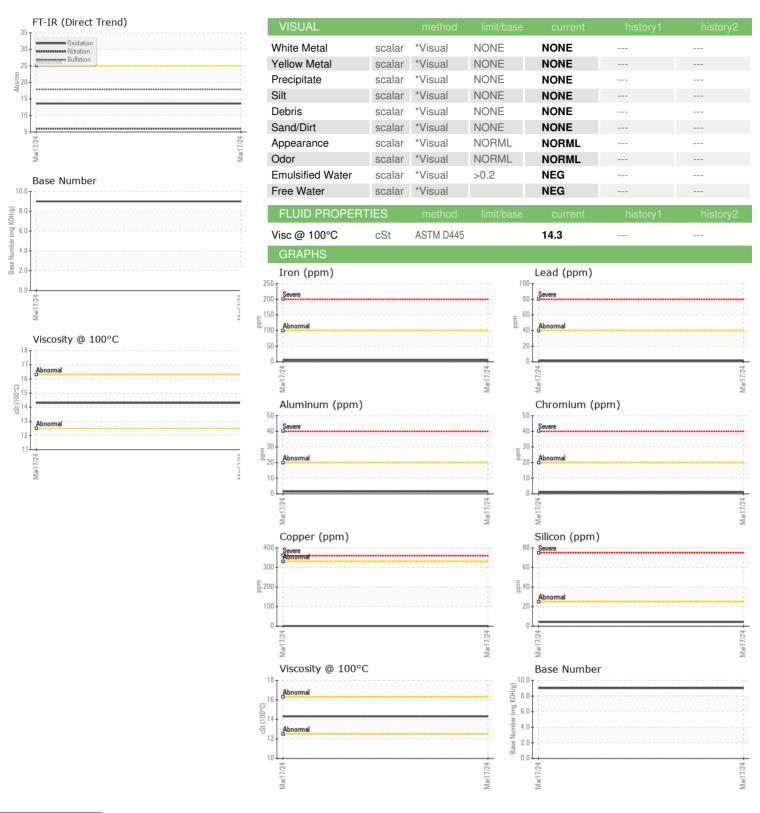
Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Cample Date Client Info 17 Mar 2024					Mar2024		
Company Comp							
Company Comp	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age mls Client Info 0 1917 Dil Age mls Client Info 0 Dil Changed Client Info 0 Dil Changed Client Info Changed Sample Status	Sample Number		Client Info		WC0906093		
Dil Changed	Sample Date		Client Info		17 Mar 2024		
Client Info Changed Client Info NORMAL Company Compa	Machine Age	mls	Client Info		61917		
CONTAMINATION method mill/base current history1 history2	Oil Age	mls	Client Info		0		
CONTAMINATION method limit/base current history1 history2	Oil Changed		Client Info		Changed		
Water WC Method S5 C1.0 S7 C1.0 C1.0	Sample Status				NORMAL		
Water Glycol WC Method WC Method >0.2 NEG	CONTAMINATION	V	method	limit/base	current	history1	history2
WEAR METALS	Fuel		WC Method	>5	<1.0		
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D5185m >100 5 Chromium ppm ASTM D5185m >20 1 Nickel ppm ASTM D5185m >4 1 Silver ppm ASTM D5185m >3 <1	Water		WC Method	>0.2	NEG		
ACTION PDM ASTM D5185m S20 1 S1 S1 S1 S2 S2 S2 S2	Glycol		WC Method		NEG		
Chromium	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>100	5		
Silver	Chromium	ppm	ASTM D5185m	>20	1		
Astronometric Silver Sil	Nickel	ppm	ASTM D5185m	>4	1		
Aluminum	Titanium	ppm	ASTM D5185m		<1		
Lead	Silver	ppm	ASTM D5185m	>3	<1		
Copper	Aluminum	ppm	ASTM D5185m	>20	1		
Tin	Lead	ppm	ASTM D5185m	>40	1		
Vanadium ppm ASTM D5185m <1 Cadmium ppm ASTM D5185m 1 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m <1 Barium ppm ASTM D5185m 59 Molybdenum ppm ASTM D5185m 59 Manganese ppm ASTM D5185m 879 Magnesium ppm ASTM D5185m 963 Calcium ppm ASTM D5185m 963 Phosphorus ppm ASTM D5185m 2957 Zinc ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Soldium ppm ASTM D5185m >20 2 </td <td>Copper</td> <td>ppm</td> <td>ASTM D5185m</td> <td>>330</td> <th>1</th> <td></td> <td></td>	Copper	ppm	ASTM D5185m	>330	1		
ADDITIVES	Tin	ppm		>15	1		
ADDITIVES	Vanadium	ppm	ASTM D5185m		<1		
Soron ppm ASTM D5185m variety ppm ASTM D5185m ppm ppm ppm ASTM D5185m ppm ppm ppm ASTM D5185m ppm ppm ppm ppm ASTM D5185m ppm	Cadmium	ppm	ASTM D5185m		1		
Barium	ADDITIVES		method	limit/base	current	history1	history2
Molybdenum ppm ASTM D5185m 59 Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 879 Calcium ppm ASTM D5185m 996 Phosphorus ppm ASTM D5185m 963 Zinc ppm ASTM D5185m 2957 Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >20 2 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % *ASTM D7414 </td <td>Boron</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <th><1</th> <td></td> <td></td>	Boron	ppm	ASTM D5185m		<1		
Manganese ppm ASTM D5185m 1 Magnesium ppm ASTM D5185m 879 Calcium ppm ASTM D5185m 996 Phosphorus ppm ASTM D5185m 963 Zinc ppm ASTM D5185m 2957 Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Sulfation	Barium	ppm	ASTM D5185m		0		
Magnesium ppm ASTM D5185m 879 Calcium ppm ASTM D5185m 996 Phosphorus ppm ASTM D5185m 963 Zinc ppm ASTM D5185m 1119 Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Sulfation Abs/.1mm *ASTM D7415 >30 17.9	Molybdenum	ppm	ASTM D5185m		59		
Calcium ppm ASTM D5185m 996 Phosphorus ppm ASTM D5185m 963 Zinc ppm ASTM D5185m 1119 Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2	Manganese	ppm	ASTM D5185m		1		
Phosphorus ppm ASTM D5185m 963 Sulfur ppm ASTM D5185m 1119 Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6 <t< td=""><td>Magnesium</td><td>ppm</td><td>ASTM D5185m</td><td></td><th>879</th><td></td><td></td></t<>	Magnesium	ppm	ASTM D5185m		879		
Time	Calcium	ppm	ASTM D5185m		996		
Sulfur ppm ASTM D5185m 2957 CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Sulfation Abs/cm *ASTM D7624 >20 6.0 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	Phosphorus	ppm					
CONTAMINANTS method limit/base current history1 history2 Silicon ppm ASTM D5185m >25 4 Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Nitration Abs/cm *ASTM D7624 >20 6.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6		ppm			1119		
Silicon ppm ASTM D5185m >25 4	Sulfur	ppm	ASTM D5185m		2957		
Sodium ppm ASTM D5185m >118 1 Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot %	CONTAMINANTS	;	method	limit/base	current	history1	history2
Potassium ppm ASTM D5185m >20 2 INFRA-RED method limit/base current history1 history2 Soot % % *ASTM D7844 >3 0.3 Nitration Abs/cm *ASTM D7624 >20 6.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	Silicon	ppm		>25	4		
INFRA-RED	Sodium	ppm	ASTM D5185m	>118			
Soot % % *ASTM D7844 >3 0.3 Nitration Abs/cm *ASTM D7624 >20 6.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	Potassium	ppm	ASTM D5185m	>20	2		
Nitration Abs/cm *ASTM D7624 >20 6.0 Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	INFRA-RED		method	limit/base	current	history1	history2
Sulfation Abs/.1mm *ASTM D7415 >30 17.9 FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	Soot %	%	*ASTM D7844	>3	0.3		
FLUID DEGRADATION method limit/base current history1 history2 Oxidation Abs/.1mm *ASTM D7414 >25 13.6	Nitration	Abs/cm	*ASTM D7624	>20	6.0		
Oxidation	Sulfation	Abs/.1mm	*ASTM D7415	>30	17.9		
	FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Base Number (BN) mg KOH/g ASTM D2896 9.0	Oxidation	Abs/.1mm	*ASTM D7414	>25	13.6		
	Base Number (BN)	mg KOH/g	ASTM D2896		9.0		



OIL ANALYSIS REPORT







Certificate 12367

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0906093 Lab Number : 06152801 Unique Number : 10982879

Test Package : MOB 1 (Additional Tests: TBN)

Received : 18 Apr 2024 **Tested** : 19 Apr 2024

Diagnosed : 22 Apr 2024 - Don Baldridge

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.

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CONCRETE SERVICE CO - FAY BLOCK

161 BUILDERS BLVD

FAYETTEVILLE, NC

Contact: BRYAN VANNIMAN

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) Report Id: CONFAY [WUSCAR] 06152801 (Generated: 04/22/2024 15:16:13) Rev: 1

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