

OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

JLG 1200 SJP 014-0102

Diesel Engine Fluid SCHAEFFER SUPREME 7000 (10 QTS)

Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

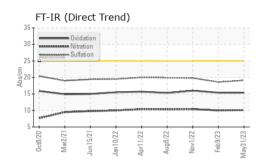
Fluid Condition

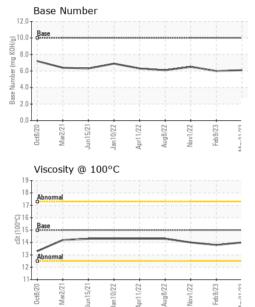
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFORM	ΛΑΤΙΟΝ	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0815190	WC0750776	WC0750817
Sample Date		Client Info		31 May 2023	09 Feb 2023	01 Nov 2022
Machine Age	hrs	Client Info		3461	3206	2948
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	4	5	7
Chromium	ppm	ASTM D5185m		- <1	<1	<1
Nickel	ppm	ASTM D5185m	>4	0	0	0
Titanium	ppm	ASTM D5185m	~ 7	0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		5	4	3
Lead	ppm	ASTM D5185m	>40	<1	0	0
Copper	ppm	ASTM D5185m		<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method		current		history2
ADDITIVES Boron	mag	method ASTM D5185m	limit/base	current	history1 78	history2 54
	ppm ppm		limit/base			
Boron	ppm	ASTM D5185m	limit/base	69	78	54
Boron Barium		ASTM D5185m ASTM D5185m		69 0	78 0	54 0
Boron Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		69 0 72	78 0 66	54 0 73
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50	69 0 72 <1	78 0 66 0	54 0 73 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000	69 0 72 <1 26	78 0 66 0 12	54 0 73 <1 11
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400	69 0 72 <1 26 2284	78 0 66 0 12 2038	54 0 73 <1 11 2084
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400 985	69 0 72 <1 26 2284 1063	78 0 66 0 12 2038 976	54 0 73 <1 11 2084 951
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400 985 1060	69 0 72 <1 26 2284 1063 1272	78 0 66 0 12 2038 976 1094	54 0 73 <1 11 2084 951 1138
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000	69 0 72 <1 26 2284 1063 1272 6232	78 0 66 0 12 2038 976 1094 4578	54 0 73 <1 11 2084 951 1138 5397
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base	69 0 72 <1 26 2284 1063 1272 6232 current	78 0 66 0 12 2038 976 1094 4578 history1	54 0 73 <1 11 2084 951 1138 5397 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	50 1000 1400 985 1060 4000 limit/base >25	69 0 72 <1 26 2284 1063 1272 6232 current 13	78 0 66 0 12 2038 976 1094 4578 history1 13	54 0 73 <1 11 2084 951 1138 5397 history2 13
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base >25	69 0 72 <1 26 2284 1063 1272 6232 current 13 2	78 0 66 0 12 2038 976 1094 4578 history1 13 <1	54 0 73 <1 11 2084 951 1138 5397 history2 13 1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base >25 >20	69 0 72 <1 26 2284 1063 1272 6232 current 13 2 2	78 0 66 0 12 2038 976 1094 4578 history1 13 <13 <1 3	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base >25 >20 limit/base >3	69 0 72 <1 26 2284 1063 1272 6232 current 13 2 2 2 current	78 0 66 0 12 2038 976 1094 4578 history1 13 <1 3 }	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3 3 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base >25 >20 limit/base >3	69 0 72 <1 26 2284 1063 1272 6232 current 13 2 2 2 current 0.1	78 0 66 0 12 2038 976 1094 4578 history1 13 <1 3 <1 3 <i>history1</i> 0.1	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3 history2 0.1
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 limit/base >25 >20 limit/base >3 >20	69 0 72 <1 26 2284 1063 1272 6232 <i>current</i> 13 2 2 2 <i>current</i> 0.1 10.1	78 0 66 0 12 2038 976 1094 4578 history1 13 <13 <1 3 <i>history1</i> 0.1 10.0	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3 history2 0.1 10.4
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	50 1000 1400 985 1060 4000 imit/base >25 >20 imit/base >3 >20 >30	69 0 72 <1 26 2284 1063 1272 6232 current 13 2 2 2 current 0.1 10.1 10.1 19.1	78 0 66 0 12 2038 976 1094 4578 history1 13 <1 3 <1 3 history1 0.1 10.0 18.6	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3 history2 0.1 10.4 19.8
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7844 *ASTM D7844	50 1000 1400 985 1060 4000 limit/base >25 >20 limit/base >3 >20 >30	69 0 72 <1 26 2284 1063 1272 6232 current 13 2 2 2 current 0.1 10.1 10.1 19.1	78 0 66 0 12 2038 976 1094 4578 history1 13 <13 <1 3 history1 0.1 10.0 18.6 history1	54 0 73 <1 11 2084 951 1138 5397 history2 13 1 3 history2 0.1 10.4 19.8 history2



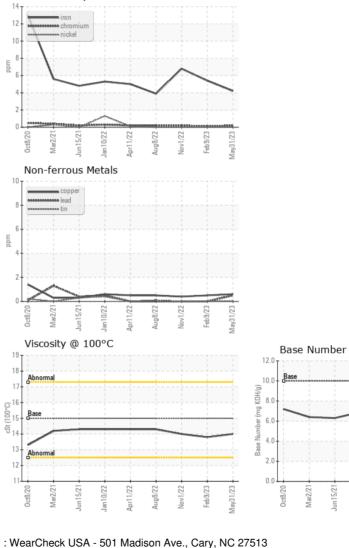
OIL ANALYSIS REPORT





VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D445	15	14.0	13.8	14.0

GRAPHS Ferrous Alloys



SHIMMICK CONSTRUCTION

Aug 8/22

5535 TRAILHEAD DRIVE CHATTANOOGA, TN US 37415 Contact: DANIEL LISELLA daniel.lisella@shimmick.com T: :2012) F:

 Unique Number
 : 10525073
 Diagnosed
 : 22 Jun 2023 - Wes Davis

 Certificate L2367
 Test Package
 : CONST (Additional Tests: TBN)
 Co

 To discuss this sample report, contact Customer Service at 1-800-237-1369.
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 * - 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)

Received

Tested

: 21 Jun 2023

: 22 Jun 2023

Report Id: AECCHATN [WUSCAR] 05879970 (Generated: 04/18/2024 11:08:30) Rev: 1

Laboratory

Sample No.

Lab Number : 05879970

: WC0815190

Contact/Location: DANIEL LISELLA - AECCHATN

Apr11/22

all

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