

# **OIL ANALYSIS REPORT**

Sample Rating Trend

# NORMAL

Area

# CONSTRUCTORS, INC

13-0359

**Front Diesel Engine** 

MOBIL DELVAC 1300 SUPER 10W30 (--- GAL)

Muž017 Nevž018 Nevž019 Ocž020 Jusž023 Apž024



#### DIAGNOSIS

## Recommendation

Resample at the next service interval to monitor.

#### Woor

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the oil

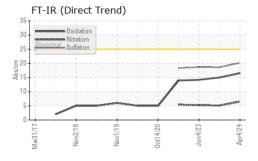
## **Fluid Condition**

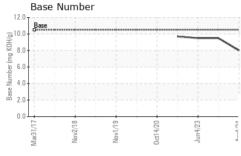
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

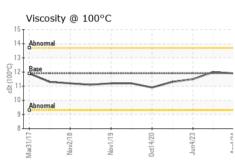
SAMPLE INFORM	ATION	method	limit/base	current	history1	history2			
Sample Number		Client Info		SBP0005756	SBP0004640	SBP0004437			
Sample Date		Client Info		04 Apr 2024	23 Aug 2023	04 Jun 2023			
Machine Age	hrs	Client Info		23095	22802	22453			
Oil Age	hrs	Client Info		293	349	352			
Oil Changed		Client Info		Changed	Changed	Changed			
Sample Status				NORMAL	NORMAL	NORMAL			
CONTAMINATION		method	limit/base	current	history1	history2			
Fuel		WC Method	>3.0	<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	8	7	8			
Chromium	ppm	ASTM D5185m	>15	1	<1	0			
Nickel	ppm	ASTM D5185m	>4	<1	0	0			
Titanium	ppm	ASTM D5185m	>2	<1	0	0			
Silver	ppm	ASTM D5185m	>2	0	0	0			
Aluminum	ppm	ASTM D5185m	>15	3	2	2			
Lead	ppm	ASTM D5185m	>50	1	0	0			
Copper	ppm		>170	1	<1	<1			
Tin	ppm	ASTM D5185m	>4	1	0	0			
Vanadium	ppm	ASTM D5185m	7	- <1	0	0			
Cadmium	ррт	ASTM D5185m		<1	0	0			
ADDITIVES	la la m	method	limit/base	current	history1	history2			
Boron	ppm	ASTM D5185m		18	24	13			
Barium	ppm	ASTM D5185m		<1	0	0			
Molybdenum	ppm	ASTM D5185m		51	59	52			
Manganese	ppm	ASTM D5185m		<1	<1	0			
Magnesium		ASTM D5185m		819	914	864			
Calcium	ppm	ASTM D5185m		1259	1369	1234			
		ASTM D5185m		1011					
Phosphorus	ppm				1050	955 1170			
Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m		1144 3346	1258 3772	3608			
CONTAMINANTS	ррпп		limit/bass			history2			
	n.n.m	method	limit/base	current	history1	,			
Silicon	ppm	ASTM D5185m	>20	8	4	3			
Sodium	ppm	ASTM D5185m	00	3	2				
Potassium	ppm	ASTM D5185m		2	0	<1			
INFRA-RED		method	limit/base	current	history1	history2			
Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1			
Nitration	Abs/cm	*ASTM D7624	>20	6.5	5.1	5.2			
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	18.6	18.7			
FLUID DEGRADATION method limit/base current history1 history2									
FLUID DEGRADA	HON	metnoa	ilmit/base	current	nistory i	History2			
FLUID DEGRADAT  Oxidation	Abs/.1mm	*ASTM D7414	>25	current 16.5	15.0	14.2			

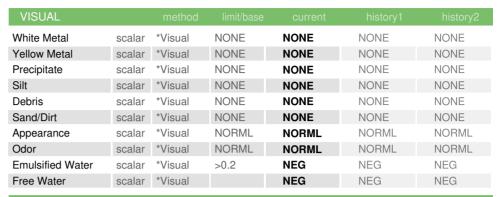


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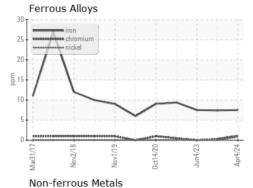


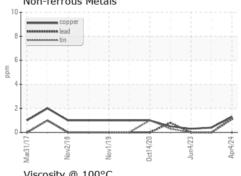


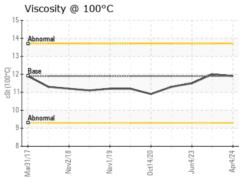


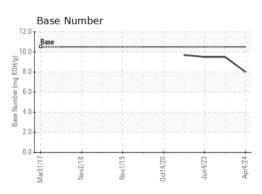
FLUID PROPER	HES	method			history1	history2
Visc @ 100°C	cSt	ASTM D445	11.9	11.9	12.0	11.5

## **GRAPHS**













Certificate 12367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : SBP0005756 Lab Number : 06143530 Unique Number : 10968338

Test Package : FLEET

Received : 09 Apr 2024 **Tested** : 10 Apr 2024

Diagnosed : 12 Apr 2024 - Jonathan Hester

Contact: Loren Michael LorenM@constructorslincoln.com

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

T: (402)434-2157

\* - 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)

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