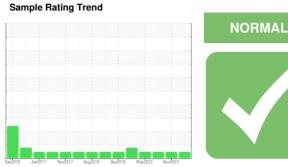


OIL ANALYSIS REPORT







Machine Id TEREX MIXER FD6000 1502 (S/N SDG8AC6T950010566) Component Diesel Engine MOBIL DELVAC 1300 SUPER15W40 (8 GAL)

SAMPLE INFORMATION metho

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

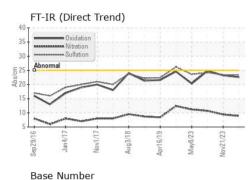
Fluid Condition

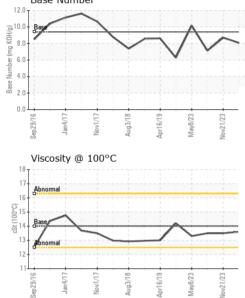
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

	ATION	method	limit/base	current	nistory i	nistory2
Sample Number		Client Info		RW0004894	RW0004369	RW0004374
Sample Date		Client Info		07 May 2024	21 Nov 2023	31 Jul 2023
Machine Age	mls	Client Info		260169	254250	247650
Oil Age	mls	Client Info		5919	6597	7000
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	٧	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	19	21	33
Chromium	ppm	ASTM D5185m	>20	<1	0	<1
Nickel	ppm	ASTM D5185m	>2	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m	>2	<1	0	<1
Aluminum	ppm	ASTM D5185m		1	<1	2
Lead	ppm	ASTM D5185m	>40	1	1	2
Copper	ppm	ASTM D5185m		5	4	7
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m	. 10	<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
	pp				Ũ	-
						le te te mu O
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	42	33	34
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	0	42 2	33 0	34 0
Boron Barium Molybdenum		ASTM D5185m ASTM D5185m ASTM D5185m	0	42 2 45	33 0 45	34 0 43
Boron Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	42 2 45 <1	33 0 45 <1	34 0 43 <1
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0	42 2 45 <1 543	33 0 45 <1 576	34 0 43 <1 543
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	42 2 45 <1 543 1778	33 0 45 <1	34 0 43 <1 543 1773
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	42 2 45 <1 543 1778 916	33 0 45 <1 576 1969 872	34 0 43 <1 543 1773 782
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	42 2 45 <1 543 1778	33 0 45 <1 576 1969 872 1036	34 0 43 <1 543 1773 782 981
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	0 0 0	42 2 45 <1 543 1778 916	33 0 45 <1 576 1969 872	34 0 43 <1 543 1773 782
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	0 0 0	42 2 45 <1 543 1778 916 1010	33 0 45 <1 576 1969 872 1036	34 0 43 <1 543 1773 782 981
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	0 0 0 0 Imit/base	42 2 45 <1 543 1778 916 1010 2873	33 0 45 <1 576 1969 872 1036 3228	34 0 43 <1 543 1773 782 981 2779
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	0 0 0 0 Imit/base	42 2 45 <1 543 1778 916 1010 2873 current	33 0 45 <1 576 1969 872 1036 3228 history1	34 0 43 <1 543 1773 782 981 2779 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method	0 0 0 0 limit/base >25	42 2 45 <1 543 1778 916 1010 2873 current 6	33 0 45 <1 576 1969 872 1036 3228 history1 4	34 0 43 <1 543 1773 782 981 2779 history2 7
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	0 0 0 0 limit/base >25	42 2 45 <1 543 1778 916 1010 2873 current 6 9	33 0 45 <1 576 1969 872 1036 3228 history1 4 7	34 0 43 <1 543 1773 782 981 2779 history2 7 5
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	0 0 0 0 1 0 1 1 1 1 1 1 1 1 1 2 5 2 5 2 0	42 2 45 <1 543 1778 916 1010 2873 current 6 9 3	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	0 0 0 0 limit/base >25 >20 limit/base >3	42 2 45 <1 543 1778 916 1010 2873 <i>current</i> 6 9 3 <i>current</i> 0.3	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4 7 <1 0.3	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot %	ppm	ASTM D5185m ASTM D5185m	0 0 0 0 limit/base >25 >20 limit/base >3	42 2 45 <1 543 1778 916 1010 2873 current 6 9 3 3	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2 0.4
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	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	42 2 45 <1 543 1778 916 1010 2873 <u>current</u> 6 9 3 <u>current</u> 0.3 8.9 23.4	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4 7 <1 0.3 9.4 23.4	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2 0.4 10.7 24.2
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	0 0 0 0 0 0 1 0 1 0 1 0 1 0 1 0 1 0 1 0	42 2 45 <1 543 1778 916 1010 2873 current 6 9 3 current 0.3 8.9 23.4 current	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4 7 <1 history1 0.3 9.4 23.4 history1	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2 0.4 10.7 24.2 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium INFRA-RED Soot % Nitration Sulfation FLUID DEGRADA Oxidation	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D7844 *ASTM D7624 *ASTM D7414	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	42 2 45 <1 543 1778 916 1010 2873 current 6 9 3 current 0.3 8.9 23.4 current 22.6	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4 7 <1 0.3 9.4 23.4 history1 23.2	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2 0.4 10.7 24.2 history2 24.8
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	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	42 2 45 <1 543 1778 916 1010 2873 current 6 9 3 current 0.3 8.9 23.4 current	33 0 45 <1 576 1969 872 1036 3228 history1 4 7 <1 4 7 <1 history1 0.3 9.4 23.4 history1	34 0 43 <1 543 1773 782 981 2779 history2 7 5 3 3 history2 0.4 10.7 24.2 history2



OIL ANALYSIS REPORT





VISUAL		method				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	14	13.6	13.5	13.5
GRAPHS						
Iron (ppm)				Lead (ppm)		
Severe			100	Severe		
			80			
Abnormal		•	E 60	Abnormal		
		/	20			
\sim						
Sep29/16 Jan4/17 Nov1/17	Aug3/18	May8/23	Nov21/23	Sep29/16 Jan4/17	Nov1/17 - Aug3/18 - Apr16/19 -	May8/23
Sep Ja No	Au	Ma	Nov	Sep	Aui, Aui, Aui, Aui, Aui, Aui, Aui, Aui,	Ma
Aluminum (ppm)				Chromium (ppm)	
Severe			50	Severa		
Abnormal			20	Abnormal		
			10			
Sep29/16 . Jan4/17 . Nov1/17 .	Aug3/18 . Anr16/19 .	May8/23	Nov21/23	Sep29/16 . Jan4/17 .	Nov1/17 - Aug3/18 - Apr16/19 -	May8/23 -
Sep	Aut	Mar	Nov	Sep	No Aui, Apr1	Mar Novź
Copper (ppm)			80	Silicon (ppm)	
I				٩		
$\mathbf{\Lambda}$			60	1		
- Awwal			틆.40			
			20	Abriormal		
						\sim
Sep 29/16 Jan 4/17 Nov 1/17	Aug3/18 Anr16/19	May8/23	Nov21/23	Sep 29/16 - Jan 4/17 -	Nov1/17 Aug3/18 Apr16/19	May8/23 Nov21/23
	Aur	- Ma	Nov		4	Ma
Viscosity @ 100°C			12.0	Base Numbe	er	
Abnormal			(File)			•
Rana -			(b)HOX HOX Buy In 6.0 WWW 4.0 82.0			1V
Abnormal		\sim		1 I I I I I I I I I I I I I I I I I I I		•
			4.0 82 2.0			
			0.0			
Sep 29/16 Jan 4/17 Nov 1/17	Aug3/18 . Anr16/19 .	May8/23	Nov21/23	Sep29/16 Jan4/17	Nov1/17 - Aug3/18 - Apr16/19 -	May8/23 Nov21/23
Sep Ja No	Au	Wa	Nov	Sep	Nu Au Apr	Ma
/earCheck USA - 501 W0004894 5196869 1058992 OB 2	Madiso Recei Teste Diagn	ved : 3 d : 0	y, NC 27513 1 May 2024 3 Jun 2024 3 Jun 2024 - W	les Davis	20	ER CONCRE 5 S CEDAR MLAY CITY, US 484

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)

Report Id: HOMIML [WUSCAR] 06196869 (Generated: 06/03/2024 14:20:15) Rev: 1

Certificate L2367

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Laboratory

Sample No. Lab Number Unique Number Test Package

Contact/Location: DENNIS ONDRAJKA - HOMIML

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