

## **OIL ANALYSIS REPORT**

Sample Rating Trend





#### Machine Id **TEREX 275** Component Hydraulic System Fluid SAE 10W (550 LTR)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

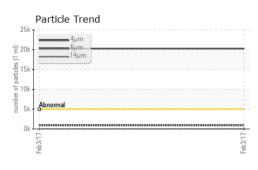
#### Fluid Condition

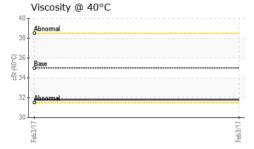
The condition of the oil is acceptable for the time in service.

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PP		
Sample Date		Client Info		03 Feb 2017		
Machine Age	hrs	Client Info		2700		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	I	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	6		
Chromium	ppm	ASTM D5185(m)	>10	<1		
Nickel	ppm	ASTM D5185(m)		0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>10	<1		
Lead	ppm	ASTM D5185(m)	>10	3		
Copper	ppm	ASTM D5185(m)	>75	9		
Tin	ppm	ASTM D5185(m)	>10	<1		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		<1		
ADDITIVES		method	limit/base	current	history1	history2
<b>D</b>						
Boron	ppm	ASTM D5185(m)		<1		
Boron Barium	ppm ppm	ASTM D5185(m) ASTM D5185(m)		<1 <1		
Barium		ASTM D5185(m) ASTM D5185(m)				
Barium Molybdenum Manganese	ppm	ASTM D5185(m)		<1	 	
Barium Molybdenum Manganese	ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1		
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455		
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455 589		  
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455 589 7336	  	  
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455 589	  	   
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base	<1 0 <1 <1 12 455 589 7336	   	   
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	limit/base >20	<1 0 <1 <1 12 455 589 7336 <1	   	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455 589 7336 <1 current	     history1	     history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)		<1 0 <1 <1 12 455 589 7336 <1 current 3	     history1 	     history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20	<1 0 <1 <1 12 455 589 7336 <1 current 3 2	     history1 	      history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D5185(m)	>20 >20	<1 0 <1 <1 12 455 589 7336 <1 <i>current</i> 3 2 0 <i>current</i> 20293	     history1  	     history2  
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D5185(m)	>20 >20 limit/base	<1 0 <1 <1 12 455 589 7336 <1 current 3 2 0 current	     history1   history1	<ul> <li></li> <li></li> <li></li> <li></li> <li></li> <li>history2</li> <li></li> <li></li> <li>history2</li> </ul>
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D5185(m)	>20 >20 limit/base >5000	<1 0 <1 <1 12 455 589 7336 <1 <i>current</i> 3 2 0 <i>current</i> 20293	     history1   history1 	     history2  history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >14µm	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D5185(m)	>20 >20 <b>limit/base</b> >5000 >1300 >160	<1 0 <1 <1 12 455 589 7336 <1 <u>current</u> 3 2 0 <u>current</u> 20293 922	     history1  history1  history1	<ul> <li></li> <li></li> <li></li> <li></li> <li></li> <li>history2</li> <li></li> <li>history2</li> <li></li> <li>history2</li> </ul>
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium FLUID CLEANLIN Particles >4µm Particles >6µm Particles >14µm Particles >21µm	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 <b>limit/base</b> >5000 >1300 >160	<1 0 <1 <1 12 455 589 7336 <1 <u>current</u> 3 2 0 <u>current</u> 20293 922 31	     history1   history1	history2 history2 history2
Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm   ppm	ASTM D5185(m) ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>20 >20 <b>limit/base</b> >5000 >1300 >160 >40 >10	<1 0 <1 <1 12 455 589 7336 <1 <u>current</u> 3 2 0 <u>current</u> 20293 922 31 6	     history1  history1  history1	      history2   history2  history2



# **OIL ANALYSIS REPORT**





### Particle Trend 25 Ê 20 ĺ4μm number of particles (1 90 Noticles (1 10 Noticles (1 Abnorm 0k Feb3/17

Test Package : MOB 2

VISUAL		method	limit/base	current	history1	history
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Precipitate	scalar	Visual*	NONE	NONE		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Wate	er scalar	Visual*	>0.1	NEG		
Free Water	scalar	Visual*		NEG		
FLUID PROP	PERTIES	method	limit/base	current	history1	history
Visc @ 40°C	cSt	ASTM D7279(m)	35.0	31.8		
SAMPLE IMA	AGES	method	limit/base	current	history1	history
Color					no image	no image
Bottom					no image	no image
GRAPHS						
Ferrous Alloys	5			Particle Count		
10 iron	1		491,520	1		
chromium			122,880			
E 4			30,720	Severe		
2-				N		
0				Abnormal		
Feb 3/1			Per 1 ml)			
			) say	1.		
Non-ferrous N	Metals		offed 480	\`\		
8 - copper						
E 6-			E 30			
2			8	-		
0			E 2			
Feb3/1			eb3,			
Viscosity @ 4	0°C		0	μ 6μ	14µ 21µ	38µ 71
40	U-C					
Abnormal						
00 36 <b>Base</b> ₹3 34						
32 Abnormal						
30						
Feb3/17			Feb3/17			
Fei			Fer			
: WearCheck - C8- : PP r : 02126158	Rece Teste	ived : 07 ed : 08	7 Feb 2017 3 Feb 2017	72 A	SHWARREN R	FORONTO,
er: 4456543 ne: MOB 2	Diagr	nosed : 08	Feb 2017 - W	es Davis	Contor	CA M3J

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Report Id: LIMTOR [WCAMIS] 02126158 (Generated: 05/02/2024 09:39:59) Rev: 1

CALA

ISO 17025:2017 Accredited Laboratory

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