

OIL ANALYSIS REPORT

Sample Rating Trend

VIS DEBRIS

Area ENGINE ROOM [719315] Machine Id RC02 Component

Fluid MOBIL DTE 25 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

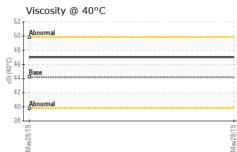
Fluid Condition

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

SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0353249		
Sample Date		Client Info		28 May 2019		
Machine Age		Client Info		0		
Oil Age		Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	1		
	ppm	ASTM D5185m	>20	0		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m		0		
		ASTM D5185m		0		
	ppm		. 20	-		
	ppm		>20	<1		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m	>20	<1		
	ppm	ASTM D5185m	>20	0		
Antimony	ppm	ASTM D5185m		0		
Vanadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
	ppm	ASTM D5185m		0		
5	ppm			-		
Calcium		ASTM D5185m		142		
		ASTM D5185m		142 462		
Phosphorus	ppm	ASTM D5185m		462		
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m		462 707		
Phosphorus Zinc Sulfur	ppm	ASTM D5185m		462		
Phosphorus Zinc	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	462 707 2863 current		
Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		462 707 2863		
Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method		462 707 2863 current		
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m		462 707 2863 current 11	 history1	
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15	462 707 2863 <u>current</u> 11 2	 history1	
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 limit/base NONE	462 707 2863 current 11 2 0 current NONE	 history1 	 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal	ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>15 >20 limit/base	462 707 2863 current 11 2 0 current	 history1 history1	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal	ppm ppm ppm ppm ppm ppm scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m thethod	>15 >20 limit/base NONE	462 707 2863 current 11 2 0 current NONE	 history1 history1 history1	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm ppm scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual	>15 >20 limit/base NONE NONE	462 707 2863 current 11 2 0 current NONE NONE	 history1 history1 	 history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate	ppm ppm ppm ppm ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE	462 707 2863 current 11 2 0 0 current NONE NONE NONE NONE	 history1 history1 	 history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE NONE NONE	462 707 2863 current 11 2 0 current NONE NONE NONE NONE NONE NONE	 history1 history1 history1 	 history2 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 limit/base NONE NONE NONE NONE NONE NONE	462 707 2863 current 11 2 0 current NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 history1 	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NONE	462 707 2863 Current 11 2 0 Current NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 history1 	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 Iinii/base NONE NONE NONE NONE NONE NONE NONE NONE NONE	462 707 2863 Current 11 2 0 Current NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE NONE	 history1 history1 	 history2 history2
Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium VISUAL White Metal Yellow Metal Yellow Metal Precipitate Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm ppm ppm ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>15 >20 Imit/base NONE NONE NONE NONE NONE NONE NONE NONE	462 707 2863 Current 11 2 0 Current NONE NORE NORE NONE NONE NORE NORE NONE NORE NEG	 history1 history1 history1 	 history2 history2



OIL ANALYSIS REPORT



FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	44.2	47.0		
SAMPLE IMAG	GES	method	limit/base	current	history1	history2
Color					no image	no image
Bottom				O	no image	no image
GRAPHS					-	
Ferrous Alloys						
9 iron 8 iron 8						
7						
6- E. 5-						
팁 5						
3						
1-			-			
0			61/8			
May28/19			May28/19			
Non-ferrous Me	etals					
9 - copper						
8						
6 - 틒 5 -						
4						
3						
1-						
0 4 6	*****	*****	61/8			
May28/19			May28/19			
Viscosity @ 40°	°C					
50 Abnormal						
48-						
Q 46						
(0.46 - 8 - Base 73 44 -						
42						
40 - Abnormal						
38			6			
May28/19			May28/19			
2			~			
: WearCheck USA -					LEPRINO FOO	
: WC0353249 : 04733963	Rece Teste	ed :16	3 Jun 2019 3 Jun 2019			1302 1ST AV GREELEY, C
: 8630742 : IND 1	Diagi	nosed : 17	Jun 2019 - Don I	Baldridge	L	IS 80631-590 ct: ERIC KLIN
: IND 1	arriaa at 1 (300-237-1369	2	FI	Conta LINE@LEPRIN	

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)

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Certificate L2367

Contact/Location: ERIC KLINE - LEPGRE Page 2 of 2

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