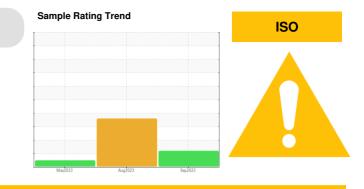
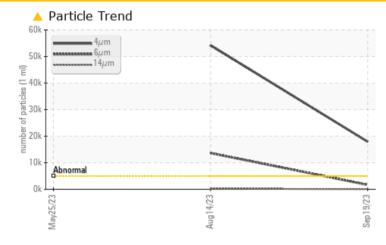
PROBLEM SUMMARY



Machine Id **E-4 E-4** Component **Lube System** Fluid **MOBIL DTE OIL EXTRA HEAVY (--- GAL)**

COMPONENT CONDITION SUMMARY

TAYLOR



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS							
Sample Status			ABNORMAL	ABNORMAL	NORMAL		
Particles >4µm	ASTM D7647	>5000	🔺 17895	<u> </u>			
Particles >6µm	ASTM D7647	>1300	🔺 1657	1 3642			
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u> </u>	🔺 23/21/15			

Customer Id: TESAUSTLC Sample No.: TLC05964591 Lab Number: 05964591 Test Package: PLANT



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 <u>don.b505@comcast.net</u>

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED AC	RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description			
Change Filter			?	We recommend you service the filters on this component if applicable.			

HISTORICAL DIAGNOSIS

14 Aug 2023 Diag: Doug Bogart



We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



25 May 2023 Diag: Jonathan Hester



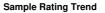


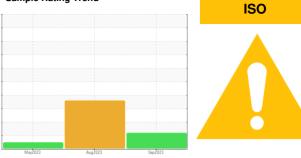
Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





OIL ANALYSIS REPORT





Component Lube System Fluid MOBIL DTE OIL EXTRA HEAVY (--- GAL)

DIAGNOSIS

Machine Id E-4 E-4

A 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

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

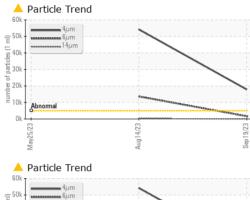
Fluid Condition

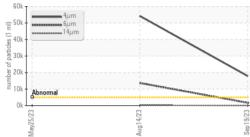
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

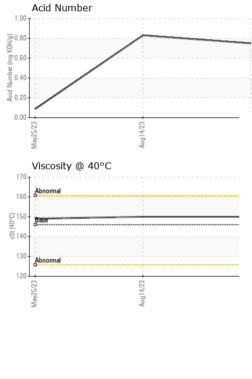
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TLC05964591	TLC0001000	TLC0001159
Sample Date		Client Info		19 Sep 2023	14 Aug 2023	25 May 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>20	<1	0	4
Copper	ppm	ASTM D5185m		2	1	6
Tin	ppm	ASTM D5185m	>20	0	0	<1
Vanadium	ppm	ASTM D5185m	20	0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
	ppm		11 11 11		-	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		4	<1	<1
Calcium	ppm	ASTM D5185m		105	104	4
Phosphorus	ppm	ASTM D5185m		403	408	7
Zinc	ppm	ASTM D5185m		523	515	4
Sulfur	ppm	ASTM D5185m		9260	10727	5090
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	9	4 3	18
Sodium	ppm	ASTM D5185m		0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0	<1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	17895	▲ 54229	
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 13642	
Particles >14µm		ASTM D7647	>160	22	▲ 247	
Particles >21µm		ASTM D7647		5	4 6	
Particles >38µm		ASTM D7647	>10	1	3	
Particles >71µm		ASTM D7647		1	0	
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<u> </u>	▲ 23/21/15	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.75	0.83	0.087



OIL ANALYSIS REPORT

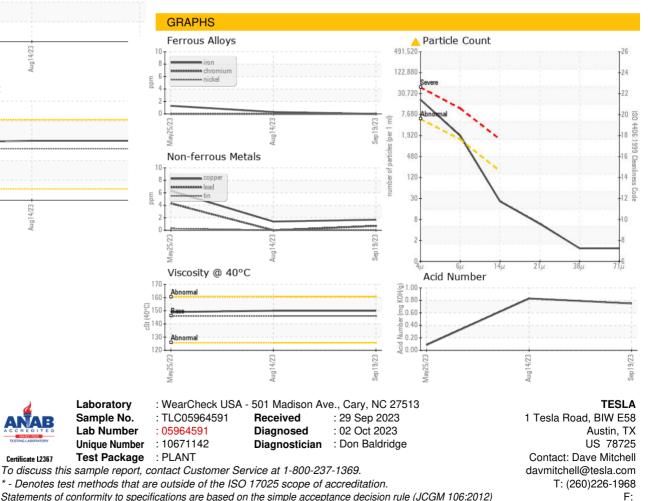






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPER	TIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	146	150	150	149
SAMPLE IMAGE	S	method	limit/base	current	history1	history2
Color						
D. 11						

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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Contact/Location: Dave Mitchell - TESAUSTLC