

PROBLEM SUMMARY

Sample Rating Trend

WEAR

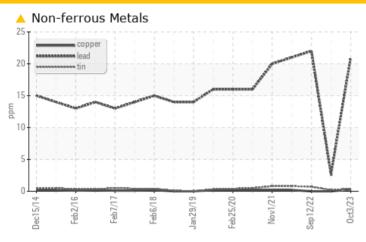
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MTR [739948] Machine Id TINHGEN3LUB

Component **Bearing**

ESSO TERESSO ISO 32 (410 LTR)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS								
Sample Status				ATTENTION	NORMAL	ATTENTION		
Lead	ppm	ASTM D5185(m)	>20	<u>^</u> 21	3	<u>^</u> 22		

Customer Id: ALGMIS Sample No.: WC0862794 Lab Number: 02587642 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

28 Feb 2023 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



12 Sep 2022 Diag: Kevin Marson

WEAR



We recommend an early resample to monitor this condition.Lead ppm levels are noted. All other component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

07 Mar 2022 Diag: Kevin Marson

WEAR



The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.Lead ppm levels are noted. All other component wear rates are normal. There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





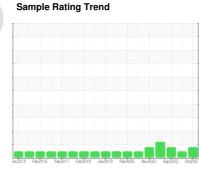
OIL ANALYSIS REPORT

MTR [739948] **TINHGEN3LUB**

Component

Bearing

ESSO TERESSO ISO 32 (410 LTR)





DIAGNOSIS

Recommendation

We recommend an early resample to monitor this condition.

Wear

Lead ppm levels are noted. All other component wear rates are normal.

Contamination

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

Fluid Condition

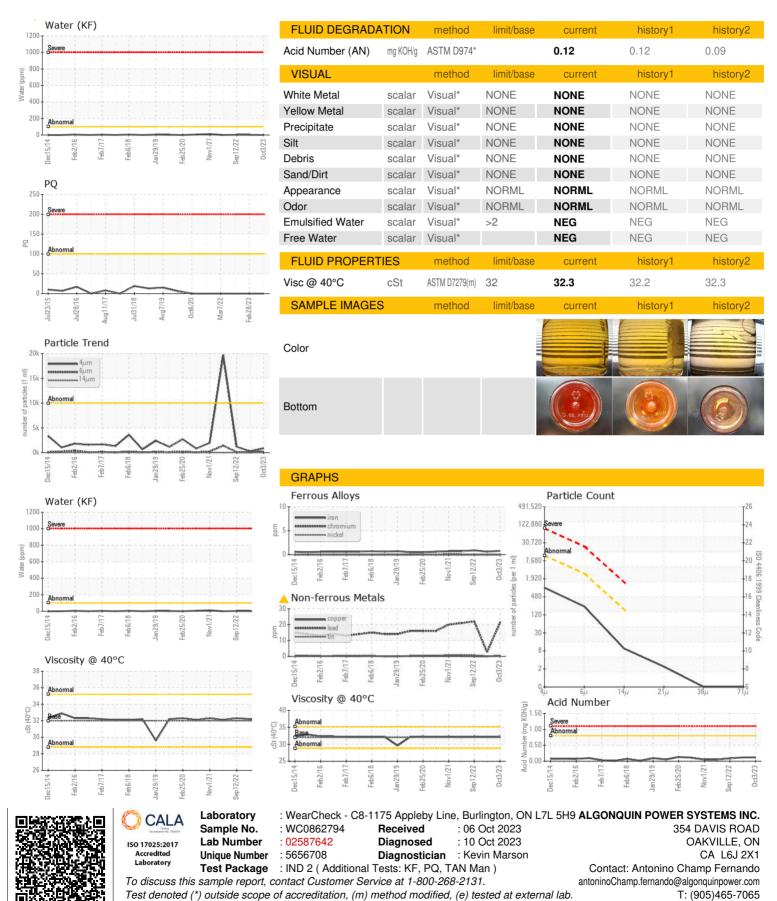
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORM	ΛΔΤΙΩΝ	method	limit/base		history1	history2
	VIATION		iiiiii/base			
Sample Number		Client Info		WC0862794	WC0678276	WC0678264
Sample Date		Client Info		03 Oct 2023	28 Feb 2023	12 Sep 2022
Machine Age	mths	Client Info		0	0	0
Oil Age	mths	Client Info		60	60	60
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				ATTENTION	NORMAL	ATTENTION
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>20	<u>^</u> 21	3	<u>^</u> 22
Copper	ppm	ASTM D5185(m)	>20	<1	0	0
Tin	ppm	ASTM D5185(m)	>20	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	0	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
	ррш	()	11 11 11			
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<1	<1	0
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		0	0	0
Calcium	ppm	ASTM D5185(m)		<1	0	<1
Phosphorus	ppm	ASTM D5185(m)		5	<1	3
Zinc	ppm	ASTM D5185(m)		3	1	2
Sulfur	ppm	ASTM D5185(m)		1467	1901	1501
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	3	<1	2
Sodium	ppm	ASTM D5185(m)		0	0	0
Potassium	ppm	ASTM D5185(m)	>20	0	0	0
Water	%	ASTM D6304*	>2	0.00	0.001	0.001
ppm Water	ppm	ASTM D6304*		0.00	1.9	2.6
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	849	249	1181
Particles >6µm		ASTM D7647	>2500	202	57	97
· artiolog /outil		7.0 TW D7047	/2000	-72	O I	J1
Particles > 1 /um		ASTM D7647	<160	Ω	7	5
'		ASTM D7647	>160	8	7	5
Particles >21µm		ASTM D7647	>40	2	2	1
Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647	>40 >10	2 0	2	1
Particles >14µm Particles >21µm Particles >38µm Particles >71µm Oil Cleanliness		ASTM D7647	>40 >10	2	2	1

Contact/Location: Antonino Champ Fernando - ALGMIS



OIL ANALYSIS REPORT



Validity of results and interpretation are based on the sample and information as supplied.

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