

PROBLEM SUMMARY

Sample Rating Trend

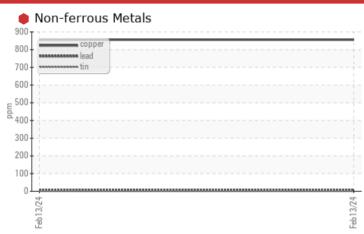


Machine Id **T259**Component

Transmission

TULCO LUBSOIL TO-4 30 (40 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS							
Sample Status				SEVERE			
Copper	ppm	ASTM D5185m	>200	856			

Customer Id: KLXLON
Sample No.: TO50002070
Lab Number: 06097308
Test Package: IND 2

To manage this report scan the QR code

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RECOMMENDED ACTIONS					
Action	Status	Date	Done By	Description	
Change Fluid			?	Oil and filter change at the time of sampling has been noted.	
Change Filter			?	Oil and filter change at the time of sampling has been noted.	
Resample			?	We recommend an early resample to monitor this condition.	

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id **T259**Component

Transmission

TULCO LUBSOIL TO-4 30 (40 GAL)

DIAGNOSIS

Recommendation

Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

The copper level is severe. Clutch disc wear or oil cooler leaching indicated.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

The AN level is acceptable for this fluid.

				Feb 2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO50002070		
Sample Date		Client Info		13 Feb 2024		
Machine Age	hrs	Client Info		4407		
Oil Age	hrs	Client Info		1237		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.1	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		14		
Iron	ppm	ASTM D5185m	>200	14		
Chromium	ppm	ASTM D5185m	>10	0		
Nickel	ppm	ASTM D5185m		0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>50	1		
Lead	ppm	ASTM D5185m	>50	8		
Copper	ppm	ASTM D5185m	>200	856		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		15		
Barium	ppm	ASTM D5185m		0		

variaululli	ppm	ASTIVI DOTOSITI		< 1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		15		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		211		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m	9	0		
Calcium	ppm	ASTM D5185m	4500	2856		
Phosphorus	ppm	ASTM D5185m	1150	902		
Zinc	ppm	ASTM D5185m	1250	1074		
Sulfur	ppm	ASTM D5185m	4500	6644		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>50	13		
Sodium	ppm	ASTM D5185m		4		
Potassium	ppm	ASTM D5185m	>20	0		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.28	0.76		



OIL ANALYSIS REPORT

