

PROBLEM SUMMARY

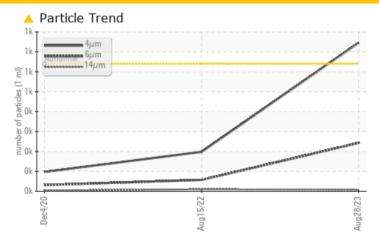
CTF
Machine Id
Dyno Side B
Component

Pump Bearing Lube

ESSO NUTO H ISO 68 (200 GAL)

Sample Rating Trend ISO

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid and Filters changed in August 2022

Filters changed again in August 2023)

PROBLEMATIC TEST RESULTS									
Sample Status			ATTENTION	NORMAL	NORMAL				
Particles >4µm	ASTM D7647	>640	^ 746	198	97				
Particles >6μm	ASTM D7647	>160	243	57	31				
Oil Cleanliness	ISO 4406 (c)	>16/14/11	17/15/10	15/13/10	14/12/9				

Customer Id: MICGRE **Sample No.:** WC0810916 Lab Number: 05938897 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@wearcheckusa.com

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

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

15 Aug 2022 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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.



04 Dec 2020 Diag: Angela Borella

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. The amount and size of particulates present in the system are acceptable. 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



Pump Bearing Lube

ESSO NUTO H ISO 68 (200 GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: Fluid and Filters changed in August 2022

Filters changed again in August 2023)

Wear

All component wear rates are normal.

Contamination

There is a moderate 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.

		Dec	2020	Aug2022 Aug20	23	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0810916	WC0500753	WC0500745
Sample Date		Client Info		28 Aug 2023	15 Aug 2022	04 Dec 2020
Machine Age		Client Info		34	32	0
Oil Age		Client Info		1	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ATTENTION	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>120	0	<1	0
Chromium	ppm	ASTM D5185m	>5	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>4	<1	<1	0
Lead	ppm	ASTM D5185m	>30	0	0	<1
Copper	ppm	ASTM D5185m	>17	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Antimony	ppm	ASTM D5185m				0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	<1	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m	5	0	<1	0
Calcium	ppm	ASTM D5185m	50	62	89	69
Phosphorus	ppm	ASTM D5185m	330	339	356	362
Zinc	ppm	ASTM D5185m	420	421	480	438
Sulfur	ppm	ASTM D5185m	3100	8374	7875	2350
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		<1	<1	0
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	0.002		
ppm Water	ppm	ASTM D6304	>2000	18.1		
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>640	4 746	198	97
Particles >6µm		ASTM D7647	>160	<u>^</u> 243	57	31
Particles >14µm		ASTM D7647	>20	8	10	4
Particles >21µm		ASTM D7647	>4	1	3	1
Particles >38μm		ASTM D7647	>3	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>16/14/11	17/15/10	15/13/10	14/12/9
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
A	1/011/	10T11 D0015	4.0			0.0=0

0.26

0.29

0.278



OIL ANALYSIS REPORT

