

PROBLEM SUMMARY

IRIG [6076651] Machine Id ACCUMULATOR RESERVOIR IRIG-ACU-ACUM-2301 ACCUMULATOR RESERVOIR

Component Hydraulic System

MOBIL DTE 10 EXCEL 32 (350 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS										
Sample Status			ABNORMAL	ABNORMAL	NORMAL					
Particles >4µm	ASTM D7647	>1300	<u> </u>	4 799	437					
Oil Cleanliness	ISO 4406 (c)	>17/15/13	<u> </u>	🔺 19/17/13	16/13/10					

Customer Id: BPEMPU Sample No.: HLC0002805 Lab Number: 06011555 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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



RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

25 Aug 2023 Diag: Wes Davis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness

code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be



01 Jul 2023 Diag: Wes Davis

reduced to acceptable levels.



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





18 Jun 2023 Diag: Wes Davis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The system cleanliness is above the acceptable limit for the target ISO 4406 cleanliness code. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.





OIL ANALYSIS REPORT

Area IRIG [6076651] ACCUMULATOR RESERVOIR IRIG-ACU-ACUM-2301 ACCUMULATOR RESERVOIR

Component Hydraulic System

MOBIL DTE 10 EXCEL 32 (350 GAL)

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 6 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		HLC0002805	HLC0002699	HLC0002731
Sample Date		Client Info		02 Nov 2023	25 Aug 2023	01 Jul 2023
Machine Age	davs	Client Info		0	0	0
Oil Age	days	Client Info		0	0	0
Oil Changed	,	Client Info		Filtered	N/A	Filtered
Sample Status				ABNORMAL	ABNORMAL	NORMAL
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>0.05	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	maa	ASTM D5185m	>20	8	4	5
Chromium	ppm	ASTM D5185m	>20	<1	0	0
Nickel	ppm	ASTM D5185m	>20	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	mag	ASTM D5185m	>20	2	<1	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	mag	ASTM D5185m	>20	3	3	3
Tin	maa	ASTM D5185m	>20	0	0	0
Vanadium	mag	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
		and the state	It is the first second		Interface and	history O
ADDITIVES		method	limit/base	current	nistory i	nistory2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m	120	34	101	94
Phosphorus	ppm	ASTM D5185m	475	324	435	416
Zinc	ppm	ASTM D5185m		0	11	46
Sulfur	ppm	ASTM D5185m	1275	788	1537	1432
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	<1	<1
Sodium	ppm	ASTM D5185m		6	5	1
Potassium	ppm	ASTM D5185m	>20	1	<1	1
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>1300	4550	4799	437
Particles >6µm		ASTM D7647	>320	257	A 821	68
Particles >14µm		ASTM D7647	>80	3	55	8
Particles >21µm		ASTM D7647	>20	1	14	3
Particles >38µm		ASTM D7647	>4	0	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>17/15/13	1 9/15/9	▲ 19/17/13	16/13/10
FLUID DEGRADA	ATION	method	limit/base	current	historv1	historv2
Acid Number (AN)	ma KOH/a	ASTM D8045		0.111	0.13	0.189
				÷····	00	000

Contact/Location: Evan Reilly - BPEMPU



Acid Number

0.50

0.00

38 3

cSt (40°C) 35 (40°C)

30

28

26

A

Oct17/19

Det1

(B/HOX Ê0.3 2020 Acid

OIL ANALYSIS REPORT









Bottom



Contact/Location: Evan Reilly - BPEMPU