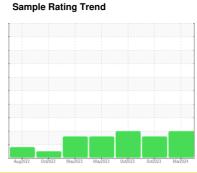


OIL ANALYSIS REPORT

{UNASSIGNED} MARGPB-1 (S/N 97-503)

Hydraulic Power Pack

LUBCON THERMO FLUID HLP 46 (275 GAL)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor. (Customer Sample Comment: VI please. Lubcon Thurmofluid HLP 46. 4 1/2 drums kidney filter to better than 15/13/10. Transfered to reservoir with approximately 30 gallons residu6in valves, hoses, cylinders etc.)

All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

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

L)		Aug2022	Oct2022 May2023	May2023 Oct2023 Oct2023	Mar2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0782791	WC0782759	WC0782758
Sample Date		Client Info		17 Mar 2024	09 Oct 2023	07 Oct 2023
Machine Age	hrs	Client Info		146705	151246	151224
Oil Age	hrs	Client Info		0	12969	12947
Oil Changed		Client Info		Filtered	Filtered	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
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	ppm	ASTM D5185m	>20	0	0	0
Chromium	ppm	ASTM D5185m	>20	<1	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	0	0	0
Copper	ppm	ASTM D5185m	>20	2	8	8
Tin	ppm	ASTM D5185m	>20	<1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		0	2	2
Calcium	ppm	ASTM D5185m		49	61	61
Phosphorus	ppm	ASTM D5185m		334	329	329
Zinc	ppm	ASTM D5185m		432	422	422
Sulfur	ppm	ASTM D5185m		949	868	868
CONTAMINANTS	8	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	0	<1
Sodium	ppm	ASTM D5185m		<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	0	0
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>320	2782	379	△ 3104
Particles >6μm		ASTM D7647		497	116	<u> </u> 768
Particles >14μm		ASTM D7647	>10	49	1 2	<u></u> 50
Particles >21µm		ASTM D7647	>3	<u> 10</u>	3	<u> </u>
Particles >38µm		ASTM D7647	>3	0	0	1
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>15/13/10	<u> </u>	6/14/11	▲ 19/17/13
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Asid Number (AN)	ma 1/011/a	ACTM DODAE		0.25	0.00	0.00

0.35

Acid Number (AN)

0.22



OIL ANALYSIS REPORT

