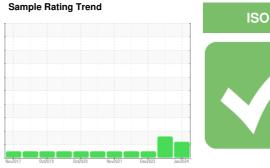


OIL ANALYSIS REPORT

PARTS LVD PRT-PBR-04 (S/N 27028)

Hydraulic System

CASTROL HYSPIN AWH-M ISO 46 (55 GAL)



Recommendation

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

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.

_)		Nov2017	0ct2019 0ct2020	Nov2021 Dec2022	Jan 2024	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884863	WC0830443	WC0753862
Sample Date		Client Info		10 Jan 2024	17 Jul 2023	04 Dec 2022
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	0	<1	<1
Chromium	ppm	ASTM D5185m	>20	0	0	0
Nickel	ppm	ASTM D5185m	>20	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>20	2	0	0
Lead	ppm	ASTM D5185m	>20	0	0	0
Copper	ppm	ASTM D5185m	>20	<1	<1	0
Tin	ppm	ASTM D5185m	>20	<1	0	0
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	1	0
Molybdenum	ppm	ASTM D5185m		<1	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		36	44	43
Phosphorus	ppm	ASTM D5185m		349	383	387
Zinc	ppm	ASTM D5185m		401	500	488
Sulfur	ppm	ASTM D5185m		906	2924	2950
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	0	2	1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	1	<1	0
Water	%	ASTM D6304	>0.05	NEG	NEG	NEG
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>5000	6095	3784	807
Particles >6μm		ASTM D7647	>1300	1496	1640	174
Particles >14μm		ASTM D7647	>160	97	2 43	4
Particles >21µm		ASTM D7647	>40	20	▲ 78	2
Particles >38µm		ASTM D7647	>10	1	5	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	2 0/18/14	1 9/18/15	17/15/9
FLUID DEGRADA	NOITA	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.33	0.47	0.51



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number **Unique Number**

: 06058062 : 10829444 Test Package : PLANT

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0884863 Recieved : 11 Jan 2024 Diagnosed : 12 Jan 2024

Diagnostician : Doug Bogart

To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

LUND BOATS 318 WEST GILMAN ST NEW YORK MILLS, MN US 56567

Contact: TODD PITMAN

todd.pitman@lundboats.com

Contact/Location: TODD PITMAN - LANNEW

T: F: