

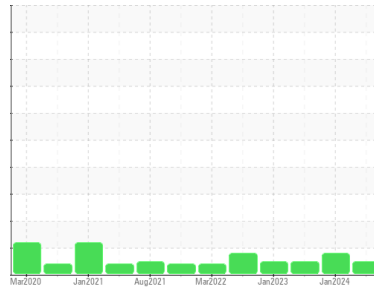


OIL ANALYSIS REPORT



Machine Id
OR962
 Component
Tank Hydraulic System
 Fluid
CAT HYDO (90 LTR)

Sample Rating Trend



NORMAL

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Fluid Condition

The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0113335	GFL0092254	GFL0056454
Sample Date	Client Info		17 Apr 2024	19 Jan 2024	25 Apr 2023
Machine Age	hrs	Client Info	14420	13733	11728
Oil Age	hrs	Client Info	12415	1348	3100
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			NORMAL	ABNORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	8	8	11
Chromium	ppm	ASTM D5185(m) >10	0	0	0
Nickel	ppm	ASTM D5185(m) >10	0	<1	0
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m)	0	0	0
Aluminum	ppm	ASTM D5185(m) >10	1	1	1
Lead	ppm	ASTM D5185(m) >10	0	<1	<1
Copper	ppm	ASTM D5185(m) >75	1	1	2
Tin	ppm	ASTM D5185(m) >10	0	0	0
Antimony	ppm	ASTM D5185(m)	0	0	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<1	<1	1
Barium	ppm	ASTM D5185(m)	<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)	0	<1	<1
Manganese	ppm	ASTM D5185(m)	0	0	<1
Magnesium	ppm	ASTM D5185(m)	18	16	9
Calcium	ppm	ASTM D5185(m)	221	174	195
Phosphorus	ppm	ASTM D5185(m) 1100	570	569	615
Zinc	ppm	ASTM D5185(m) 1210	725	714	705
Sulfur	ppm	ASTM D5185(m)	1329	1421	1467
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	0	<1	1
Sodium	ppm	ASTM D5185(m)	1	<1	1
Potassium	ppm	ASTM D5185(m) >20	<1	2	1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	4750	▲ 10760	2994
Particles >6µm	ASTM D7647	>1300	1093	1294	270
Particles >14µm	ASTM D7647	>160	82	91	37
Particles >21µm	ASTM D7647	>40	19	23	13
Particles >38µm	ASTM D7647	>10	1	2	1
Particles >71µm	ASTM D7647	>3	0	1	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/17/14	▲ 21/17/14	19/15/12

