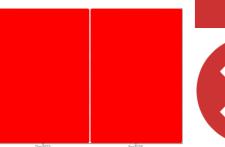


OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id

HITACHI ZX350-LC6 EX6127 (S/N 940187)

Right Final Drive

DURALENE Dura-Trans TO-4 50 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

▲ Wear

Gear wear is indicated.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

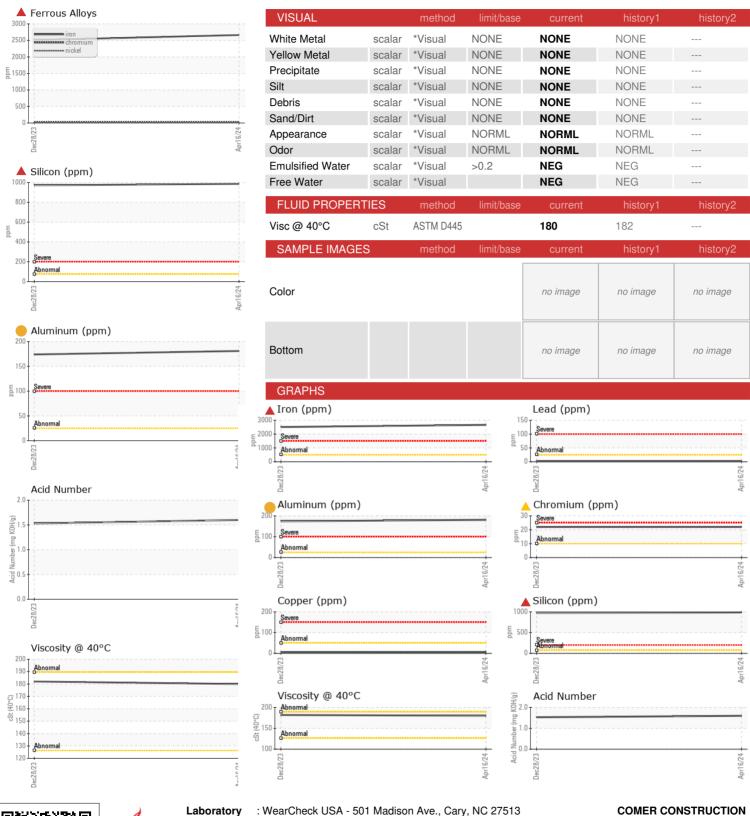
Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

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SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0032448	DC0031150	
Sample Date		Client Info		16 Apr 2024	28 Dec 2023	
Machine Age	hrs	Client Info		6298	6298	
Oil Age	hrs	Client Info		6298	1300	
Oil Changed		Client Info		N/A	N/A	
Sample Status				SEVERE	SEVERE	
CONTAMINATION	V	method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG	NEG	
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	2664	2510	
Chromium	ppm	ASTM D5185m	>10	<u>^</u> 22	<u>^</u> 22	
Nickel	ppm	ASTM D5185m	>10	7	5	
Titanium	ppm	ASTM D5185m		17	△ 16	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<u> </u>	1 74	
Lead	ppm	ASTM D5185m	>25	2	2	
Copper	ppm	ASTM D5185m	>50	7	6	
Tin	ppm	ASTM D5185m	>10	0	<1	
Vanadium	ppm	ASTM D5185m		1	<1	
Cadmium	ppm	ASTM D5185m		<1	<1	
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		47	38	
Barium	ppm	ASTM D5185m		0	1	
Molybdenum	ppm	ASTM D5185m		6	4	
Manganese	ppm	ASTM D5185m		25	23	
Magnesium	ppm	ASTM D5185m		55	60	
Calcium	ppm	ASTM D5185m		2236	2141	
Phosphorus	ppm	ASTM D5185m		976	903	
Zinc	ppm	ASTM D5185m		946	918	
Sulfur	ppm	ASTM D5185m		16992	12996	
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	986	▲ 972	
Sodium	ppm	ASTM D5185m		12	12	
Potassium	ppm	ASTM D5185m	>20	30	28	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		1.60	1.53	



OIL ANALYSIS REPORT







Certificate 12367

Laboratory Sample No.

: DC0032448 Lab Number : 06160565 Unique Number : 10995988 Test Package : MOB 2

Received : 25 Apr 2024 Tested : 26 Apr 2024 Diagnosed

: 27 Apr 2024 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Contact: DONALD FOX dfox@comerconstruction.com T: (443)269-1379

* - 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) 2100 SLADE LANE

FOREST HILL, MD

F: (410)638-0289

US 21050