



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
LINKBELT 360X2RT C-3 (S/N 350Q5NCMHR1270)

Component
Swing Drive

Fluid
PHILLIPS 80W90 SAE (3 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0899784	WC0849476	WC0760451
Sample Date		Client Info		18 Mar 2024	19 Sep 2023	08 Nov 2022
Machine Age	hrs	Client Info		14075	13074	11934
Oil Age	hrs	Client Info		1001	624	11622
Filter Age	hrs	Client Info		0	0	11622
Oil Changed		Client Info		Changed	N/A	Changed
Filter Changed		Client Info		Not Changed	N/A	Changed
Sample Status				SEVERE	SEVERE	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>400	225	184	217
Chromium	ppm	ASTM D5185m	>10	1	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	2
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	<1	1
Lead	ppm	ASTM D5185m	>50	0	<1	<1
Copper	ppm	ASTM D5185m	>200	9	5	12
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

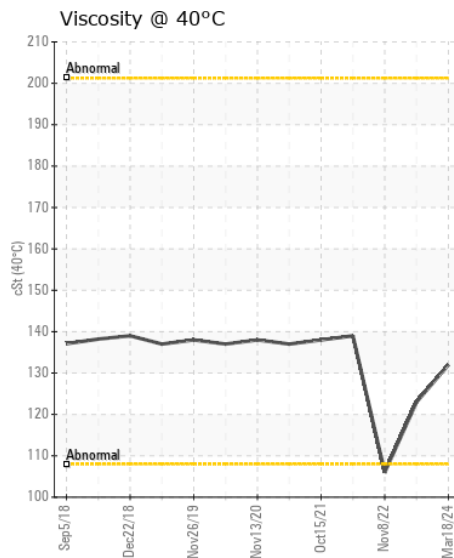
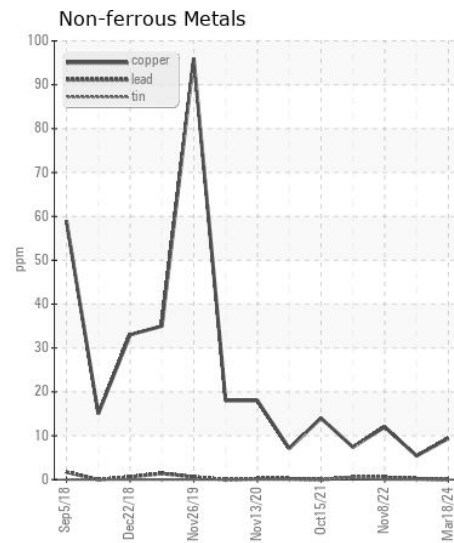
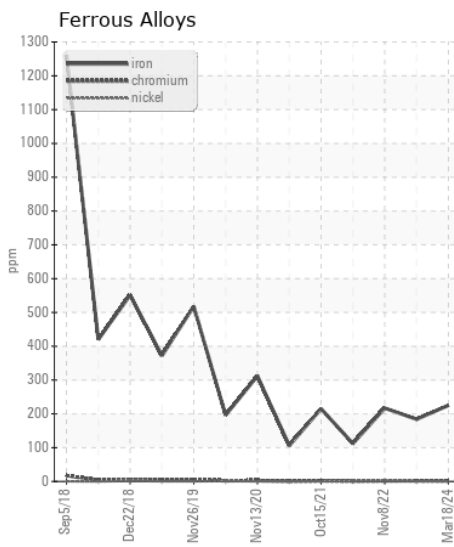
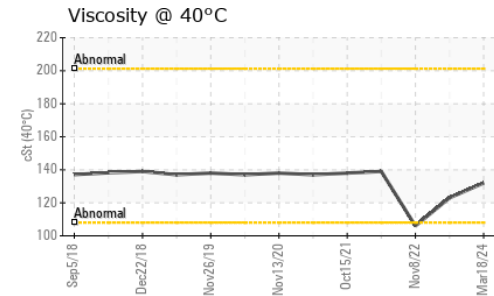
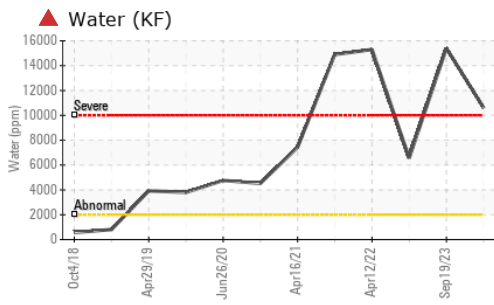
There is a high concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>50	5	6	3
Potassium	ppm	ASTM D5185m	>20	0	2	6
Water	%	ASTM D6304	>0.2	▲ 1.06	▲ 1.54	▲ 0.657
ppm Water	ppm	ASTM D6304	>2000	▲ 10600	▲ 15400	▲ 6570
Silt	scalar	*Visual	NONE	NONE	NONE	MODER
Debris	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● MILKY	● MILKY	● MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	▲ 0.2%	▲ 0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	2
Boron	ppm	ASTM D5185m		18	38	87
Barium	ppm	ASTM D5185m		3	0	7
Molybdenum	ppm	ASTM D5185m		0	2	<1
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m		2	3	6
Calcium	ppm	ASTM D5185m		17	26	101
Phosphorus	ppm	ASTM D5185m		533	328	574
Zinc	ppm	ASTM D5185m		46	51	72
Sulfur	ppm	ASTM D5185m		23594	17633	19162
Visc @ 40°C	cSt	ASTM D445		132	123	106



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0899784 **Received** : 21 Mar 2024
Lab Number : 06125234 **Tested** : 25 Mar 2024
Unique Number : 10939385 **Diagnosed** : 25 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

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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)