



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
YALE BE050X033L12D Q2134B1 - TROLLEY (S/N 06K01K77)

Component
Gearbox

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

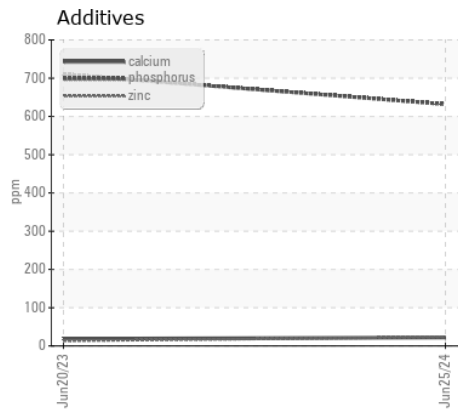
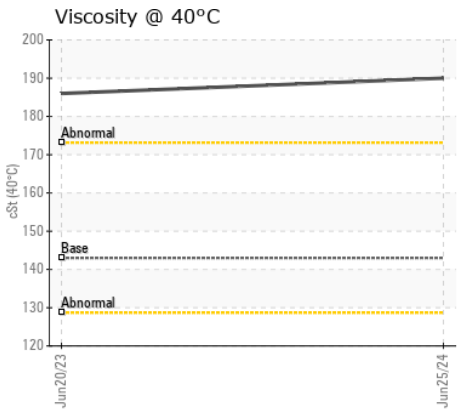
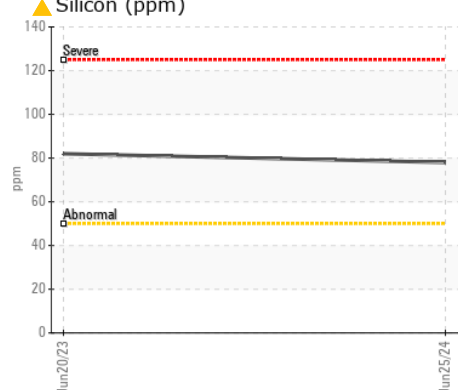
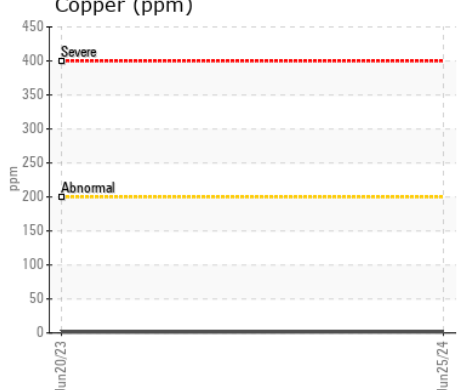
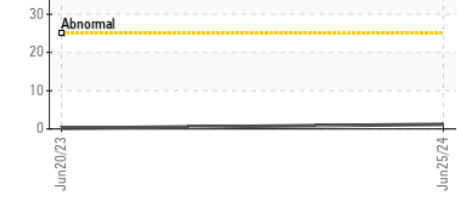
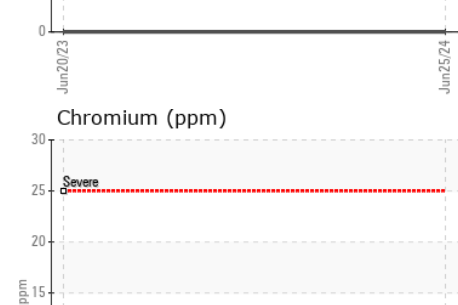
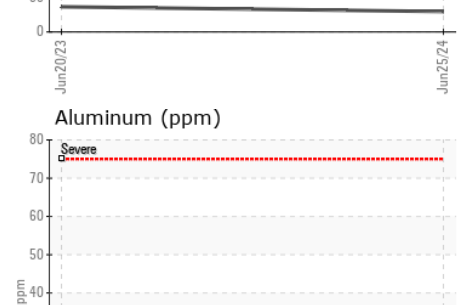
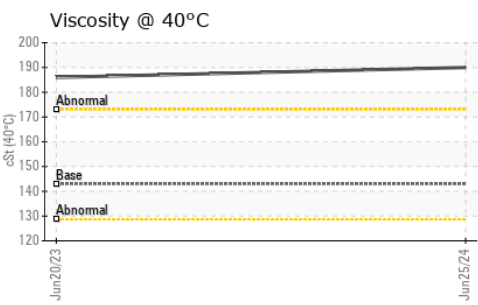
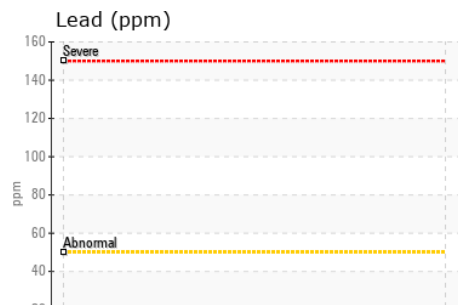
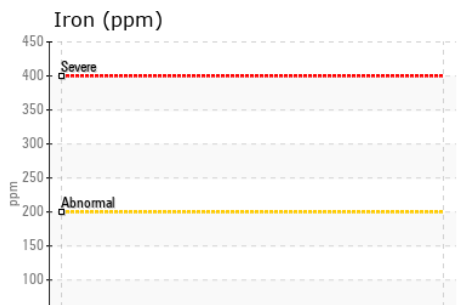
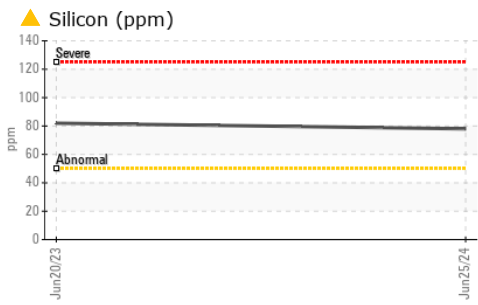
CONTAMINATION

Elemental level of silicon (Si) above normal.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DC0037352	DC0029224	---
Sample Date		Client Info		25 Jun 2024	20 Jun 2023	---
Machine Age	hrs	Client Info		0	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>200	30	37	---
Chromium	ppm	ASTM D5185m	>10	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	<1	---
Lead	ppm	ASTM D5185m	>50	0	0	---
Copper	ppm	ASTM D5185m	>200	2	2	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>50	▲ 78	▲ 82	---
Potassium	ppm	ASTM D5185m	>20	2	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>170	6	6	---
Boron	ppm	ASTM D5185m	400	35	60	---
Barium	ppm	ASTM D5185m	200	6	0	---
Molybdenum	ppm	ASTM D5185m	12	<1	<1	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m	12	2	<1	---
Calcium	ppm	ASTM D5185m	150	22	19	---
Phosphorus	ppm	ASTM D5185m	1650	632	710	---
Zinc	ppm	ASTM D5185m	125	23	13	---
Sulfur	ppm	ASTM D5185m	22500	19539	22708	---
Visc @ 40°C	cSt	ASTM D445	143	190	186	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DC0037352
Lab Number : 06223839
Unique Number : 11102036
Test Package : MOB 1

CRANWORKS INC - MID-ATLANTIC
 11089 LEADBETTER ROAD
 ASHLAND, VA
 US 23005
 Contact: JASON WILDE
 jcwilde@vacraneworks.com

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)