



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
INSULATING/INS - LINE 17
Machine Id
INSULATOR 17 EXTRUDER GBX (S/N 000542765)
Component
Gearbox
Fluid
JAX SYNGEAR INDUSTRIAL GEAR ISO 220 (9 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		IB0000342	WC12339074	---
Sample Date		Client Info		28 Jun 2023	18 Jun 2019	---
Machine Age	hrs	Client Info		2816	256	---
Oil Age	hrs	Client Info		2816	256	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	47	20	---
Chromium	ppm	ASTM D5185m	>15	<1	<1	---
Nickel	ppm	ASTM D5185m	>15	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	<1	---
Lead	ppm	ASTM D5185m	>100	0	0	---
Copper	ppm	ASTM D5185m	>200	<1	<1	---
Tin	ppm	ASTM D5185m	>25	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

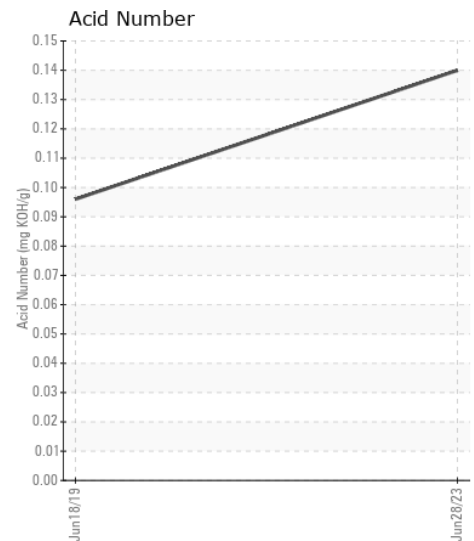
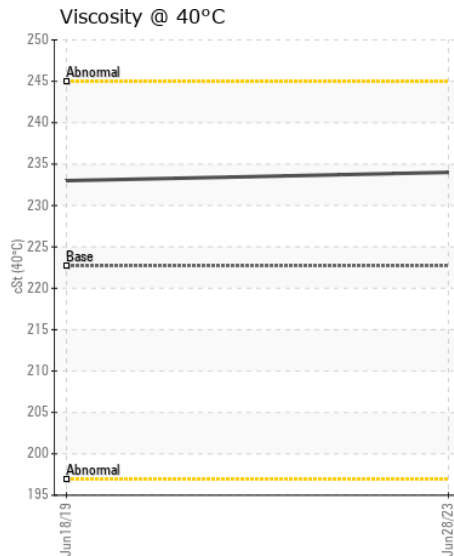
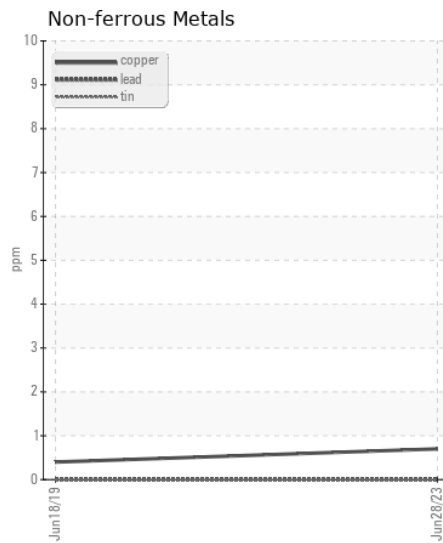
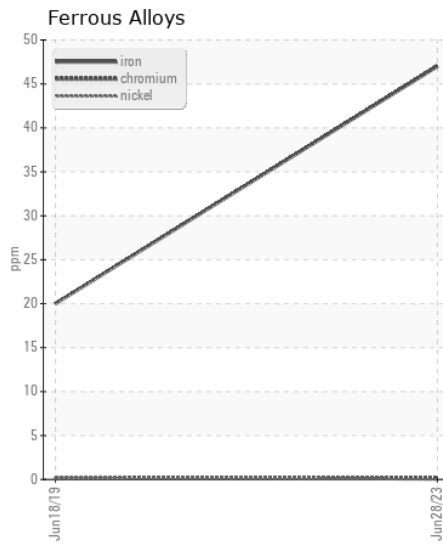
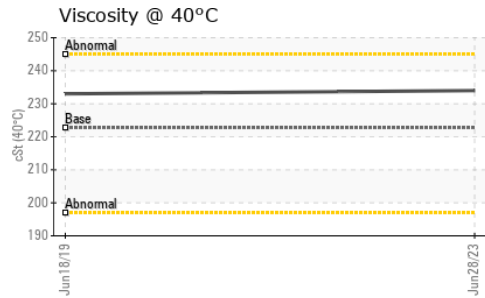
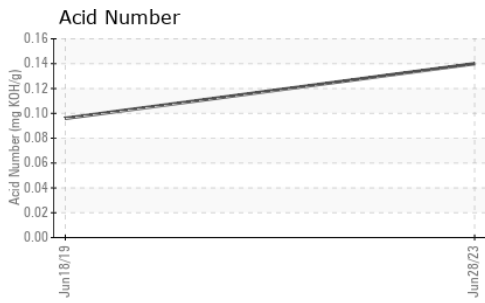
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	7	7	---
Potassium	ppm	ASTM D5185m	>20	1	4	---
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	---

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m		0	<1	---
Barium	ppm	ASTM D5185m		2	0	---
Molybdenum	ppm	ASTM D5185m		0	2	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		<1	<1	---
Calcium	ppm	ASTM D5185m		3	6	---
Phosphorus	ppm	ASTM D5185m		522	444	---
Zinc	ppm	ASTM D5185m		1	1	---
Sulfur	ppm	ASTM D5185m		1850	1397	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.14	0.096	---
Visc @ 40°C	cSt	ASTM D445	222.7	234	233	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : IB0000342
Lab Number : 05889240
Unique Number : 10539723
Test Package : IND 2

Received : 03 Jul 2023
Tested : 05 Jul 2023
Diagnosed : 05 Jul 2023 - Wes Davis

SUPERIOR TELECOMMUNICATIONS INC
 75 EAST STATE RD 4
 HOISINGTON, KS
 US 67544

Contact: BRIAN STEJSKAL
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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)

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