Sample No: VCP425327

Oil Type: MOBIL SHC 630

Job No: SPM620293

SAMPLE INFORMATION

Sample Number		VCP425327	VCP418507	VCP387379	VCP378252
Sample Date		12 Oct 2023	19 May 2023	02 Mar 2023	16 May 2022
Machine Hours		19841	19056	18536	17503
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Not Changd	Changed
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL	NORMAL

OIL CONDITION

Visc @ 40°C	cSt	201	208	197	115

CONTAMINATION

Water	%	---	▲ 0.558	---	---
Silicon	ppm	31	23	30	10
Sodium	ppm	0	<1	<1	<1
Potassium	ppm	1	0	<1	<1

WEAR METALS

Iron	ppm	185	108	217	71
Copper	ppm	▲ 226	▲ 244	▲ 279	97
Lead	ppm	0	2	4	<1
Tin	ppm	8	8	▲ 11	<1
Aluminum	ppm	<1	<1	<1	1
Chromium	ppm	2	<1	2	<1
Molybdenum	ppm	0	1	2	4
Nickel	ppm	1	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	<1	<1
Manganese	ppm	2	1	3	1
Vanadium	ppm	0	0	0	0

ADDITIVES

Calcium	ppm	899	1976	2042	2153
Magnesium	ppm	21	21	20	31
Zinc	ppm	410	875	839	987
Phosphorus	ppm	648	767	780	874
Barium	ppm	0	0	0	0
Boron	ppm	0	9	18	29

SIMS METAL MANAGEMENT
2500 S. PAULINA
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T:
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Diagnosis

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:	SIMCHIIL
Unique No:	10713399
Signed:	Don Baldridge
Report Date:	30 Oct 2023

GRAPHS

Iron (ppm)

Lead (ppm)

Aluminum (ppm)

Chromium (ppm)

▲ Copper (ppm)

Silicon (ppm)
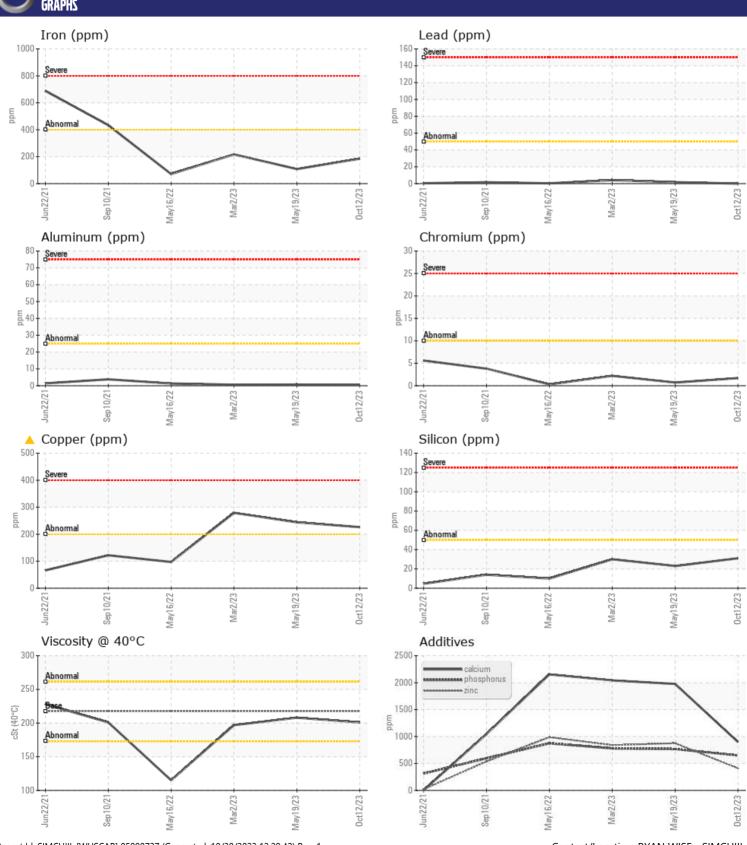

Viscosity @ 40°C

Additives

calcium
phosphorus
zinc

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Contact/Location: RYAN WISE - SIMCHIIL