



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
SANY SY365CLC SY0365MCA00258
 Component
Gearbox
 Fluid
GEAR OIL LS 80W90 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

High concentration of visible metal present. Gear wear is indicated.

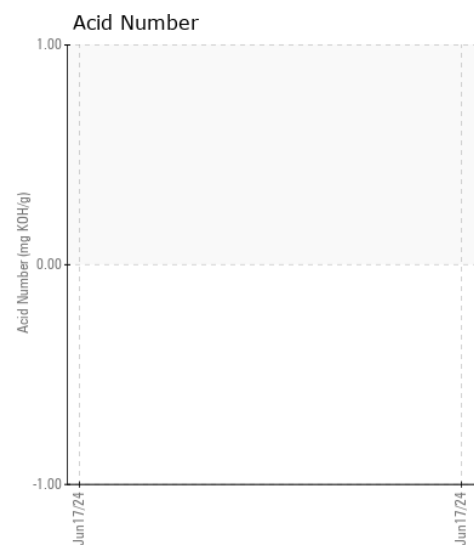
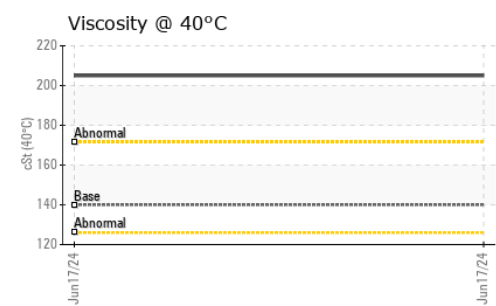
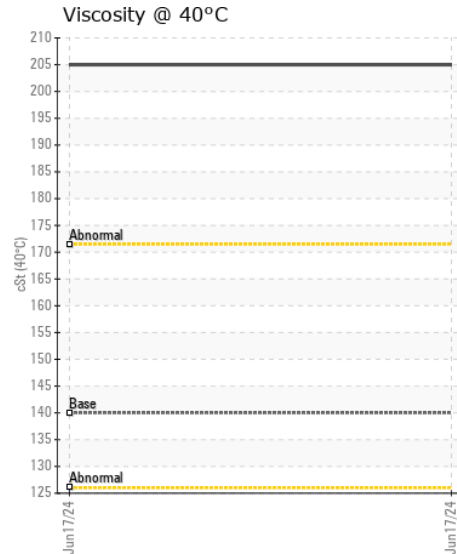
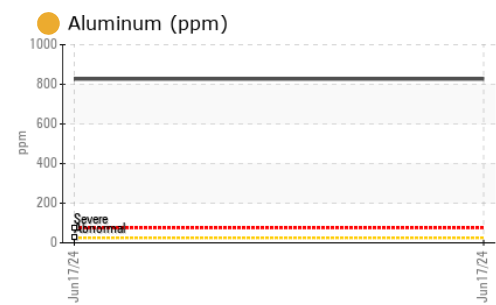
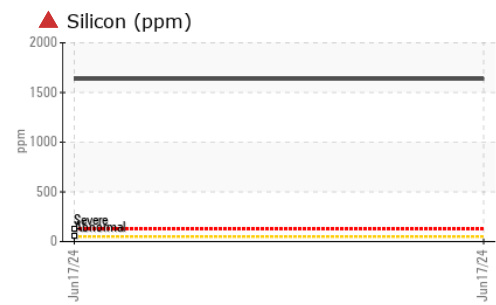
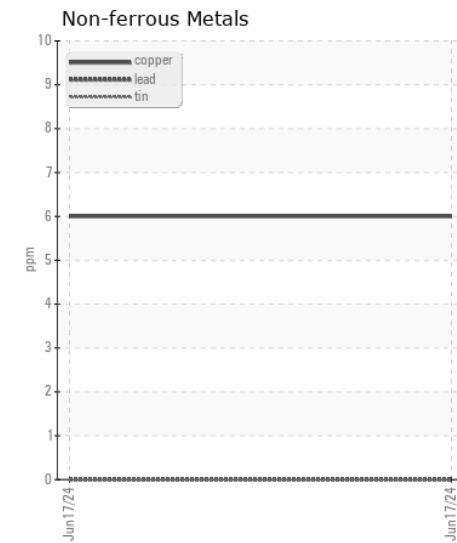
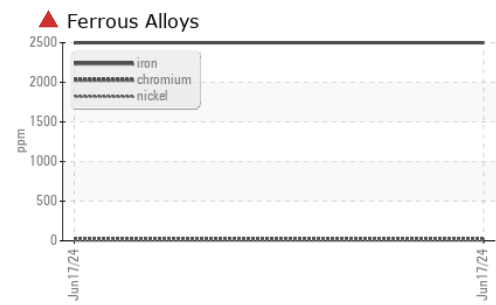
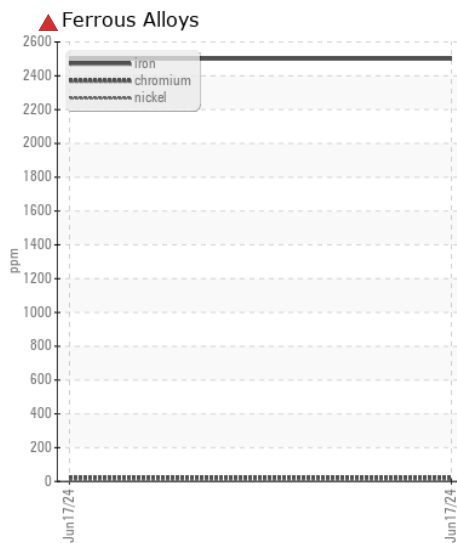
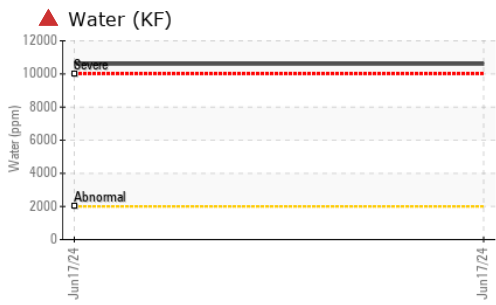
CONTAMINATION

There is a high amount of visible silt present in the sample. There is a high concentration of water present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0220231	---	---
Sample Date		Client Info		17 Jun 2024	---	---
Machine Age	hrs	Client Info		4235	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				SEVERE	---	---
PQ		ASTM D8184		250	---	---
Iron	ppm	ASTM D5185m	>200	▲ 2500	---	---
Chromium	ppm	ASTM D5185m	>10	▲ 25	---	---
Nickel	ppm	ASTM D5185m	>10	4	---	---
Titanium	ppm	ASTM D5185m		46	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	● 827	---	---
Lead	ppm	ASTM D5185m	>50	0	---	---
Copper	ppm	ASTM D5185m	>200	6	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		2	---	---
White Metal	scalar	*Visual	NONE	▲ HEAVY	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>50	▲ 1636	---	---
Potassium	ppm	ASTM D5185m	>20	13	---	---
Water	%	ASTM D6304	>0.2	▲ 1.06	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 10600	---	---
Silt	scalar	*Visual	NONE	▲ HEAVY	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	---	---
Sodium	ppm	ASTM D5185m		42	---	---
Boron	ppm	ASTM D5185m	150	87	---	---
Barium	ppm	ASTM D5185m		6	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		31	---	---
Magnesium	ppm	ASTM D5185m	10	115	---	---
Calcium	ppm	ASTM D5185m	70	246	---	---
Phosphorus	ppm	ASTM D5185m	2000	873	---	---
Zinc	ppm	ASTM D5185m	50	35	---	---
Sulfur	ppm	ASTM D5185m	20000	21718	---	---
Visc @ 40°C	cSt	ASTM D445	140	205	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220231
Lab Number : 06214988
Unique Number : 11087852
Test Package : CONST (Additional Tests: ICP, KF, KV40, PQ, PrtCount, SCREEN)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: Chuck Sorrow
 JSorrow@jamesriverequipment.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)