WEAR CONTAMINATION **FLUID CONDITION**

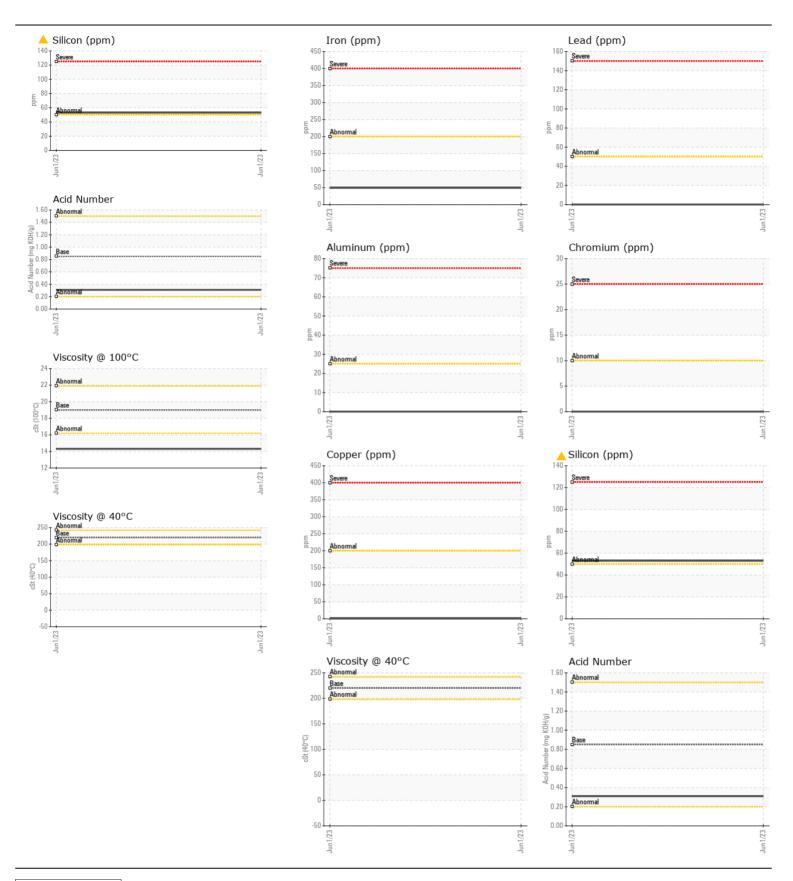
NORMAL **ABNORMAL** NORMAL

OIL ANALYSIS REPORT

TA4 - TANK 1 FILL CONVEYOR

Component Gearbox

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LITTION	TR05872270		
No corrective action is recommended at this time. We recommend an early resample to monitor this condition.	Sample Date		Client Info		01 Jun 2023		
	Machine Age	yrs	Client Info		0		
	Oil Age	yrs	Client Info		1		
	Filter Age	yrs	Client Info		0		
	Oil Changed	, -	Client Info		Not Changd		
	Filter Changed		Client Info		N/A		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>200	49		
	Chromium	ppm	ASTM D5185m		0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>25	0		
	Lead	ppm	ASTM D5185m	>50	0		
	Copper	ppm	ASTM D5185m	>200	<1		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	5 3		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium	ppm	ASTM D5185m	>20	0		
	Water		WC Method	>0.2	NEG		
	Silt	scalar	*Visual	NONE	NONE		
	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	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m	50	0		
	Barium	ppm	ASTM D5185m	15	0		
	Molybdenum	ppm	ASTM D5185m	15	0		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m	50	0		
	Calcium	ppm	ASTM D5185m	50	6		
	Phosphorus	ppm	ASTM D5185m	350	221		
	Zinc	ppm	ASTM D5185m	100	189		
	Sulfur	ppm	ASTM D5185m	12500	700		
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.31		
	Visc @ 100°C	cSt	ASTM D445	19.0	14.3		





Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Lab Number : 05872270

: TR05872270 Unique Number : 10512054

Received : 13 Jun 2023 **Tested**

Diagnosed Test Package : MOB 2 (Additional Tests: KV100)

: 15 Jun 2023 : 15 Jun 2023 - Jonathan Hester

H & S SERVICES 5521 E SHARP SPOKANE VALLEY, WA

US 99218 Contact: RON GROGAN

To discuss this sample report, contact Customer Service at 1-800-827-0711.

* - 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)

Report Id: HSSSPO [WUSCAR] 05872270 (Generated: 03/08/2024 00:07:03) Rev: 1

Contact/Location: RON GROGAN - HSSSPO

T:

F: