

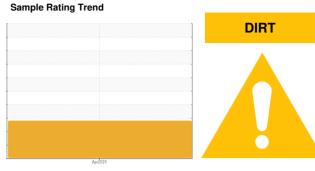
OIL ANALYSIS REPORT

MINING

ME-100 KOMATSU PC360 A36184

Left Final Drive

SCHAEFFER 50W (--- GAL)



DIAGNOSIS

Recommendation

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

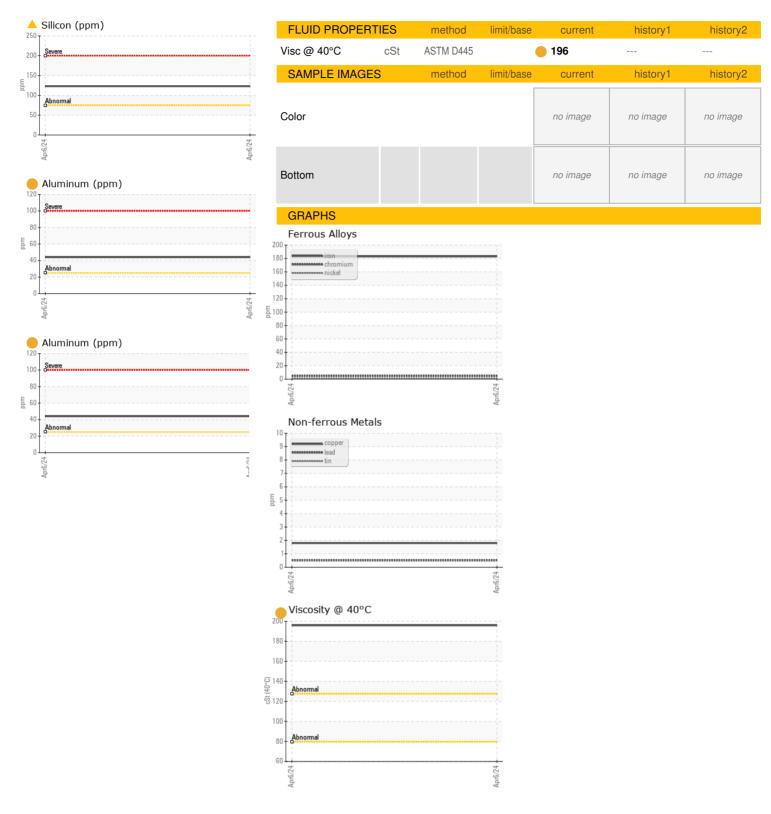
Fluid Condition

The oil viscosity is higher than normal. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMA	NOITA	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0920462		
Sample Date		Client Info		06 Apr 2024		
Machine Age	nrs	Client Info		6806		
Oil Age	nrs	Client Info		331		
Oil Changed		Client Info		Changed		
Sample Status				ABNORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron p	opm	ASTM D5185m	>500	183		
Chromium p	opm	ASTM D5185m	>10	5		
Nickel p	opm	ASTM D5185m	>10	1		
Titanium	opm	ASTM D5185m		4		
Silver p	opm	ASTM D5185m		0		
Aluminum p	opm	ASTM D5185m	>25	44		
Lead	opm	ASTM D5185m	>25	<1		
Copper	opm	ASTM D5185m	>50	2		
Tin p	opm	ASTM D5185m	>10	<1		
Vanadium p	opm	ASTM D5185m		<1		
Cadmium p	opm	ASTM D5185m		<1		
ADDITIVES		method	limit/base	current	history1	history2
			IIIIII/Dase		HISTORY	HISTORYZ
	opm	ASTM D5185m		10		
	opm	ASTM D5185m		5		
	opm	ASTM D5185m		227		
•	opm	ASTM D5185m		2		
	opm	ASTM D5185m		10		
	opm	ASTM D5185m		3412		
Phosphorus p	opm	ASTM D5185m		874		
Zinc	opm	ASTM D5185m		1084		
Sulfur p	opm	ASTM D5185m		5920		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon p	opm	ASTM D5185m	>75	123		
Sodium p	opm	ASTM D5185m		7		
Potassium p	opm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate s	scalar	*Visual	NONE	NONE		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt s	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water s	scalar	*Visual		NEG		
i:17:36) Rev: 1					ocation: Phil Iva	nisin - COV.ILIN



OIL ANALYSIS REPORT





Certificate 12367

Laboratory Sample No.

Lab Number : 06149137 Unique Number : 10979215

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0920462 Test Package : CONST

Received : 15 Apr 2024 **Tested** : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Sean Felton **COVIA - JUNCTION CITY - 095** 1333 SANDPIT ROAD MAUK, GA

US 31058 Contact: Phil Ivanisin

phil.ivanisin@coviacorp.com T: (478)244-7020

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)