

# **OIL ANALYSIS REPORT**



# MINING ME-502 CATERPILLAR 988K TWX01543

Rear Right Final Drive

SHELL Spirax S4 CX 30 (-





### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the

### **Fluid Condition**

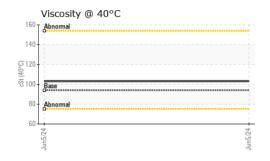
The condition of the oil is acceptable for the time in service.

) ( GAL)				Jun2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0944185		
Sample Date		Client Info		05 Jun 2024		
lachine Age	hrs	Client Info		14009		
Dil Age	hrs	Client Info		0		
il Changed		Client Info		N/A		
ample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Vater		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>800	47		
hromium	ppm	ASTM D5185m	>10	<1		
lickel	ppm	ASTM D5185m	>5	0		
itanium	ppm	ASTM D5185m	>15	1		
ilver	ppm	ASTM D5185m	>2	0		
luminum	ppm	ASTM D5185m	>75	2		
ead	ppm	ASTM D5185m	>10	<1		
opper	ppm	ASTM D5185m	>75	25		
in	ppm	ASTM D5185m	>8	<1		
anadium	ppm	ASTM D5185m	-	0		
admium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
oron	ppm	ASTM D5185m		21		
arium	ppm	ASTM D5185m		0		
lolybdenum	ppm	ASTM D5185m		3		
langanese	ppm	ASTM D5185m		<1		
lagnesium	ppm	ASTM D5185m		25		
alcium	ppm	ASTM D5185m		3190		
hosphorus	ppm	ASTM D5185m		906		
inc	ppm	ASTM D5185m		1146		
ulfur	ppm	ASTM D5185m		5885		
CONTAMINANTS	;	method	limit/base	current	history1	history2
ilicon	ppm	ASTM D5185m	>400	16		
odium	ppm	ASTM D5185m		0		
otassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
Vhite Metal	scalar	*Visual	NONE	NONE		
ellow Metal	scalar	*Visual	NONE	NONE		
recipitate	scalar	*Visual	NONE	NONE		
ilt	scalar	*Visual	NONE	NONE		
ebris	scalar	*Visual	NONE	NONE		
and/Dirt	scalar	*Visual	NONE	NONE		
ppearance	scalar	*Visual	NORML	NORML		
dor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>0.2	NEG		
ree Water	scalar	*Visual	-	NEG		
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Contact/Location: Brian Bunnell - COVORE

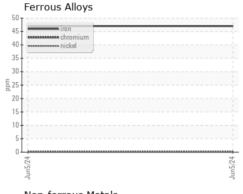


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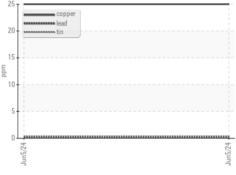




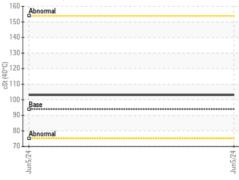
# **GRAPHS**



## Non-ferrous Metals



# Viscosity @ 40°C







Certificate 12367

Laboratory Sample No.

Lab Number : 06208163

: WC0944185 Unique Number : 11075624

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Tested Diagnosed

Test Package : CONST

**COVIA - OREGON - 004** 

1446 DEVILS BACKBONE ROAD OREGON, IL US 61061-0156

Contact: Brian Bunnell brian.bunnell@coviacorp.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)

: 12 Jun 2024

: 14 Jun 2024

: 14 Jun 2024 - Wes Davis

T: (815)677-8700