

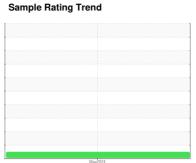
OIL ANALYSIS REPORT



MINING ME-116 CATERPILLAR 980M KRS02985

Rear Differential

SHELL Spirax S4 CX 30 (--- GAL)





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

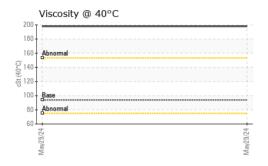
Fluid Condition

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

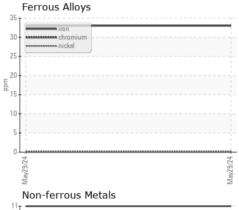
) (GAL)			1	May2024		
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0919976		
Sample Date		Client Info		29 May 2024		
/lachine Age	hrs	Client Info		14785		
Dil Age	hrs	Client Info		500		
Dil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINATION	I	method	limit/base	current	history1	history2
Vater		WC Method	>.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
on	ppm	ASTM D5185m	>500	33		
Chromium	ppm	ASTM D5185m	>3	<1		
lickel	ppm	ASTM D5185m	>3	0		
itanium	ppm	ASTM D5185m	>2	0		
ilver	ppm	ASTM D5185m	>2	0		
lluminum	ppm	ASTM D5185m	>30	2		
ead	ppm	ASTM D5185m	>13	0		
Copper	ppm		>103	11		
in	ppm	ASTM D5185m	>5	0		
anadium	ppm	ASTM D5185m		0		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES	Pp	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	mmodase	0		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		11		
Calcium	ppm	ASTM D5185m		3192		
hosphorus	ppm	ASTM D5185m		1061		
inc	ppm	ASTM D5185m		1291		
Sulfur	ppm	ASTM D5185m		8290		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>100	4		
odium	ppm	ASTM D5185m		2		
otassium	ppm	ASTM D5185m	>20	0		
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		
Odor	scalar	*Visual	NORML	NORML		
mulsified Water	scalar	*Visual	>.2	NEG		
ree Water	scalar	*Visual		NEG		
6:14) Rev: 1	Julian				Submitted By:	Megan Mous

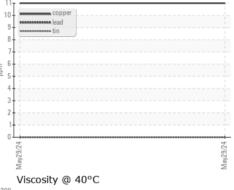


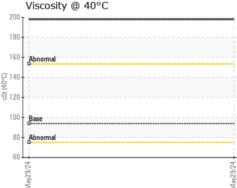
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	93.9	198		
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image











Certificate 12367

Laboratory

Sample No. : WC0919976 Lab Number : 06198057

Unique Number : 11060180 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 03 Jun 2024

Tested : 04 Jun 2024

Diagnosed : 05 Jun 2024 - Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

US 54751 Contact: Jeremy Wagner jeremy.wagner@coviacorp.com T: (715)235-0942

COVIA - MENOMONIE - 852

N5628 580TH STREET

MENOMONIE, WI

* - 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)