

OIL ANALYSIS REPORT

Sample Rating Trend





Area MINING Machine Io ME-032 CATERPILLAR 980M KRS03126 Component Front Right Final Drive

SHELL Spirax S4 CX 30 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

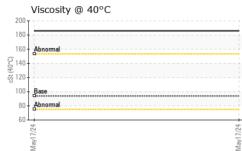
Fluid Condition

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

SAMPLE INFORM	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0928525		
Sample Date		Client Info		17 May 2024		
Machine Age	hrs	Client Info		11535		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION		method	limit/base	current	history1	history2
Water		WC Method	>0.2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>800	45		
Chromium	ppm	ASTM D5185m	>10	<1		
Nickel	ppm	ASTM D5185m	>5	0		
Titanium	ppm	ASTM D5185m	>15	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	3		
Lead	ppm	ASTM D5185m	>10	<1		
Copper	ppm	ASTM D5185m	>75	13		
Tin	ppm	ASTM D5185m	>8	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		4		
Barium	ppm	ASTM D5185m		0		
Molybdenum	ppm	ASTM D5185m		4		
Manganese	ppm	ASTM D5185m		<1		
Magnesium	ppm	ASTM D5185m		37		
Calcium	ppm	ASTM D5185m		3077		
Phosphorus	ppm	ASTM D5185m		1114		
Zinc	ppm	ASTM D5185m		1293		
Sulfur	ppm	ASTM D5185m		7512		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	7		
Sodium	ppm	ASTM D5185m		0		
Potassium	ppm	ASTM D5185m	>20	2		
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Precipitate	scalar	*Visual	NONE	NONE		
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		
		+1 // I	~ ~			
Emulsified Water	scalar	*Visual	>0.2	NEG NEG		



OIL ANALYSIS REPORT



Visc @ 40°C SAMPLE IMAG	cSt					
		ASTM D445	93.9	186		
SAMFLE IMAG	ES	method	limit/base	current	history1	history2
Color				no image	no image	no image
Bottom				no image	no image	no image
Dottom				no inago		
GRAPHS						
Ferrous Alloys			-			
40 - iron						
35 nickel						
30 -						
25 - 20 -						
15						
10-						
5						
54			54			
May17/24			May17/24			
≊ Non-ferrous Me	tals		M			
¹⁴						
12 - Internet lead						
10						
8						
Ed 6-						
4						
2-						
-			7/24			
May17/24			May17/24			
Viscosity @ 40°	С					
200						
180-						
160 Abnormal						
្នា 140 -						
(2) 140 - 0 ∰ 120 -						
100 - Base						
80 - Abnormal						
60						
			7/24			
May17/24			May17/24			
	arCheck USA - 501 Madison Ave., Cary, NC 27513					PEVELY - 05
: WC0928525 : 06202182	Rece Test		3 Jun 2024 7 Jun 2024		290	68 HIGHWAY PEVELY, M
r : 06202182 er : 11069643			Jun 2024 - Dor	n Baldridge	L	JS 63070-326
e : CONST	-			U-	Cor	ntact: Steve Be
rt, contact Customer Se						coviacorp.co

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)

Certificate L2367

Contact/Location: Steve Bell - CONPEV Page 2 of 2

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