

OIL ANALYSIS REPORT

Sample Rating Trend





Area MINING Machine Id ME-15 CATERPILLAR 980G MK700428 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.

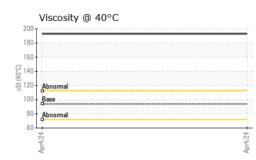
Fluid Condition

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

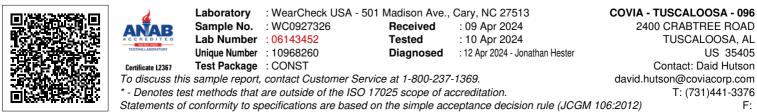
SAMPLE INFORM	1ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0927326		
Sample Date		Client Info		04 Apr 2024		
Machine Age	hrs	Client Info		8774		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
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CONTAMINATION	N	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	47		
Chromium	ppm	ASTM D5185m	>10	1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m	>15	<1		
Silver	ppm	ASTM D5185m	>2	0		
Aluminum	ppm	ASTM D5185m	>75	2		
Lead	ppm	ASTM D5185m	>10	_ <1		
Copper	ppm	ASTM D5185m	>75	2		
Tin	ppm	ASTM D5185m	>8	- <1		
Vanadium	ppm	ASTM D5185m	20	<1		
Cadmium	ppm	ASTM D5185m		<1		
	ppm					
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0		
Barium	ppm	ASTM D5185m		<1		
Molybdenum	ppm	ASTM D5185m		7		
Manganese	ppm	ASTM D5185m		1		
Magnesium	ppm	ASTM D5185m		24		
Calcium	ppm	ASTM D5185m		3145		
Phosphorus	ppm	ASTM D5185m		1162		
Zinc	ppm	ASTM D5185m		1296		
Sulfur	ppm	ASTM D5185m		9113		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>400	12		
Sodium	ppm	ASTM D5185m		<1		
Potassium	ppm	ASTM D5185m	>20	3		
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		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Free Water	scalar	*Visual	2.01L	NEG		
:09:45) Rev: 1	Social	visual				By: Daid Hutson



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FLUID PROPE Visc @ 40°C	cSt	method ASTM D445	limit/base 93.9	current 193	history1	history2
SAMPLE IMAG	GES	method	limit/base	current	history1	history2
Color						
Color				no image	no image	no image
Bottom				no image	no image	no image
GRAPHS						
Ferrous Alloys						
iron sesses chromium rickel						
- mickel						
+						
-						
Apr4/24			Apr4/24			
Apr			Apr			
Non-ferrous Me	etals					
copper						
••••••••••••••••••••••••••••••••••••••						
-						
Apr4/24			Apr4/24			
Viscosity @ 40°	°C					
T						
+						
Abnormal						
Abnormal						
Base						
Abnormal						
Apr4/24			Apr4/24			



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