

OIL ANALYSIS REPORT

Sample Rating Trend





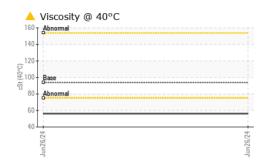
Area MINING ME-581 CATERPILLAR 988F BNH01437 Rear Right Final Drive

SHELL Spirax S4 CX 30 (--- GAL)

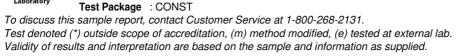
Basemple at the next service interval to monitor. Sample Date in in in in War Nachine Age hrs Client Info 0 in in Basemple at the next service interval to monitor. Oil Agage hrs Client Info 0 in in Contraination Interval to monitor of any contamination in the oil is within SAE 20 ange, advise investigate. The condition of the oil is completed interval to monitors of the oil is within SAE 20 ange, advise investigate. The condition of the oil is completed interval to monitors. method linit/base current history! history! init Second advise investigate. The condition of the oil is completed in the inservice. method linit/base current history! history! interval n= Contraining ppm ASM/DSRM >00 7	DIAGNOSIS	SAMPLE INFORM	IATION	method	limit/base	current	history1	history2																		
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Oil Age hrs Client Info O Contamination There is no indication of any contamination in the ill. Oil Changed Client Info Not Changed Viscotity of sample indicates oil is within SAE 20 ange, advise investigate. The condition of the oil is acceptable for the time in service. Not Changed Viscotity of sample indicates oil is within SAE 20 ange, advise investigate. The condition of the oil is acceptable for the time in service. Not Changed >-0.2 NEG Viscotity of sample indicates oil is within SAE 20 ange, advise investigate. The condition of the oil is acceptable for the time in service. Not Changed >-0.2 NEG Viscotity of sample indicates oil is within SAE 20 ange, advise investigate. The condition of the oil is acceptable for the time in service. Not Mission >-0.0	Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jun 2024																				
Changed Client Info Not Changed There is no indication of any contamination in the isit. Sample Status - MBNORMAL PLUID Condition Age, activis in swithin SAE 20 ang, activis in swithin SAE 20 ang, activis in swetigate. The condition of the circle WEAR METALS WECA METALS NEG Noted ppm ASTM 051560 >80.00 7 Noted ppm ASTM 051560 >80.00 7 Noted ppm ASTM 051560 >80.00 7 Niced ppm ASTM 051560 >80.00 7 Niced ppm ASTM 051560 >10 Niced ppm ASTM 051560 >10 Aluminum ppm ASTM 051560 >5 0 Adminum ppm ASTM 051560 >5 0 Adminum ppm	Wear	Machine Age	hrs	Client Info		54690																				
Sample Status ABNORMAL	All component wear rates are normal.	Oil Age	hrs	Client Info		0																				
Sample Status Sample Mathematication of any contamination in the list. Sample Status method limitbas current history!	Contamination	Oil Changed		Client Info		Not Changd																				
CONTAMURATION method numbrase current numbrash		Sample Status				ABNORMAL																				
Pluid Condition Water WC Method >0.2 NEG iscosity of sample indicates oil is within SAE 20 ange, actives investigate. The condition of the oil is corpetable for the time in service. method imit/base current history1 history2 Iron pm ASTM 05188/m >800 7 Chromium pm ASTM 05188/m >10 0 Nickel pm ASTM 05188/m >5 0 Silver pm ASTM 05188/m >5 0 Aluminum pm ASTM 05188/m >5 5 Copper pm ASTM 05188/m >8 0 Tim< pm ASTM 05188/m >8 0 Copper pm ASTM 05188/m >8 0 Tim pm ASTM 05188/m >8 0 Copper pm ASTM 05188/m >8 0	pil.	CONTAMINATION	J	method	limit/base	current	historv1	historv2																		
angle, advise investigate. The condition of the oil is WEAR METALS method limit/base current history1 history2 Iron ppm ASTM D515(m) >800 7 Chromium ppm ASTM D515(m) >55 0 Nickel ppm ASTM D515(m) >55 0 Silver ppm ASTM D515(m) >2 0 Auminum ppm ASTM D515(m) >2 0 Lead ppm ASTM D515(m) >5 0 Tin ppm ASTM D515(m) >5 0 Copper ppm ASTM D515(m) >5 0 Cadmium ppm ASTM D515(m) >5 0 Boron ppm ASTM D515(m) >6 0 Barium				WC Method	>0.2	NEG																				
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Copper ppm ASTM D5186/m >75 52 Tin ppm ASTM D5185/m >8 0 Antimony ppm ASTM D5185/m >50 0 Antimony ppm ASTM D5185/m 50 0 Vanadium ppm ASTM D5185/m 0 0 Beryllium ppm ASTM D5185/m 0 0 Cadmium ppm ASTM D5185/m 0 ADDITIVES method limit/base current historyl ADDITIVES method Sites/m 4 Molybdenum ppm ASTM D5185/m 0 Manganese ppm ASTM D5185/m 14 Manganesium ppm ASTM D5185/m 3269 <td< td=""><th></th><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>																										
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	ADDITIVES		method	limit/base	current	history1	history2																			
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Sodium ppm ASTM D5185(m) <1		Silicon	ppm	ASTM D5185(m)	>400	6																				
		Sodium																								
			ppm		>20																					



OIL ANALYSIS REPORT



	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*		NEG		
	FLUID PROPERT	IES	method	limit/base	current	history1	history2
	Visc @ 40°C	cSt	ASTM D7279(m)	93.9	▲ 56.2		
	SAMPLE IMAGES	;	method	limit/base	current	history1	history2
	Color					no image	no image
	Bottom					no image	no image
	20	5		Jun26/24			
cSt (40°C)	Viscosity @ 40°C			Jun26/24			
o. : per : ber :	WearCheck - C8-1175 WC0942054 02645959 5811511 CONST	Appleby Recei Teste Diagr	ived : 05 d : 05	gton, ON L7 5 Jul 2024 5 Jul 2024 Jul 2024 - Kev	2	60 Unimin Road,	tia Canada Lte County Rd. #4 Havelock, O CA K0L 12 ntact: Dan Lvo



> CA KOL 1Z0 Contact: Dan Lyon dan.lyon@coviacorp.com T: (705)632-8904 F:

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Submitted By: Paul Laneville
                Page 2 of 2
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