Hastings Deering CAT

TILLYS CRAWLER PARTS PTY LTD
Toowoomba
TCP- 9054 ENGINE PRIMARY - DIESEL

UNIT INFORMATION	
M/M	: CATERPILLAR 12M
S/N	: TCP- 9054
LOC	: Toowoomba

COMPONENT INFORMATION	
Make	:CATERPILLAR
Model	:C-7 ACERT
S/N	:

SHOP JOB/SEGMENT

Condition Monitoring Centre

Express Post Satchels can be recycled. Please return any unused satchels.

A	NO ACTION REQUIRED	DATE	20/09/2023	LCN	19279417

Viscosity is consistent with oil grade indicated. Wear levels below the 5 micron range appear acceptable, however we need accurate fluid hours to establish the wear rate. All other test appear acceptable. **Suggested action:** Please supply accurate fluid readings with future samples as this is used to gauge wear rates and assess compartment condition. Continue sampling at the recommended interval. Sample Notes:

CURRENT SAMPLE	TOOK 0 DAYS TO REACH LAB	INTERPRETED BY	Craig Trigg Ph 3365 9653	ANALYSED BY	isaacsh	MAINTENANCE	

		DATE		LCN	

PREVIOUS SAMPLE	TOOK 0 DAYS TO REACH LAB	INTERPRETED BY		ANALYSED BY		MAINTENANCE	

IDENT		SAMPLE INFORMATION							ELEMENTAL ANALYSIS														FTIR ANALYSIS				MISC					
SMU	E	CMU	FMU	C	SAMPLE DATE	LAB DATE	LCN	OIL ADD	Cu Copper	Fe Iron	Cr Chromium	Pb Lead	Al Aluminium	Si Silicon	Sn Tin	Ni Nickel	Mn Manganes	V Vanadium	Ti Titanium	Ag Silver	Sb Antimony	S Sulfur	UST Soot	UOXI Oxidation	UNIT Nitration	USUL Sulfation	AN Acid #	TAN Total Acid #	TBN Base #	COL Colour	RULER Life %	MPC e Patch Co
0	A	0	0		20/Sep/23	20/Sep/23	19279417	0.00	<1	12	<1	<1	<1	5	<1	<1	<1	<1	<1	<1	<1		4	14	<1	24						

IDENT		FLUID CHARACTERISTICS												PHYSICAL TESTING										PARTICLE ANALYSIS						
SMU	E	OIL BRAND	OIL GRADE	Ca Calcium	Mg Magnesiu	Zn Zinc	P Phosphor	Mo Molybdenun	B Boron	Ba Barium	Cd Cadmium	V40 Vis. 40C	V100 Vis. 100C	F Fuel %	Na Sodium	K Potassium	WAT Water	WKF Water PPM	OH Hydroxyl	Li Lithium	PQ PQ Index	DEP Deposits	GLYC Glycol	PC4 >4 µm	PC6 >6 µm	PC14 >14 µm	PC38 >38 µm	PC50 >50 µm	ISO ISO 4406	ISO4407 ISO 4407
0	A	FUCHS TITAN UNIVERSA	15W40	1384	303	1018	952	66	316	<1	<1	93	12.6	<2.0	5	<1	0.1			<1	7	N--B								

TILLYS CRAWLER PARTS PTY LTD
ATTN: SARAH WIGGINS
PO BOX 2544
TOOWOOMBA, QLD , 4350