Hastings Deering CAT

TILLYS CRAWLER PARTS PTY LTD
Toowoomba
TCP- 9054 TRANSMISSION

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

COMPONENT INFORMATION	
Make	:
Model	:
S/N	:

SHOP JOB/SEGMENT

Condition Monitoring Centre

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

C CORRECTIVE ACTION IS REQUIRED

DATE 19/02/2025 **LCN** 21365818

Viscosity appears typical of a mixture of SAE 30 & SAE 50 grade oils. Low amounts of non-metallic foreign material and magnetic metal particles were visually observed. Particle count is elevated. **Suggested action: Investigate & Evaluate Compartment.** Inspect filter and suction screen for abnormal debris. Filtergram analysis may assist in identifying sources of the elevated particle count. Review sampling procedure in the event sampling technique has influenced results. Please supply machine serial number with next sample. Ensure correct oil type/grade is marked on card. More samples are needed to establish a trend. Advise re-sampling to confirm normal conditions. Sample Notes:

CURRENT SAMPLE	TOOK 2 DAYS TO REACH LAB	INTERPRETED BY	Daniel Furness	ANALYSED BY	christopherk	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
	C	0			19/Feb/25	21/Feb/25	21365818		1	10	<1	<1	<1	6	<1	<1	<1	<1	<1	<1	<1			6	<1							

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
	C	UNKNOWN	OIL	2696	12	1000	825	1	2	<1	<1	138			6	<1	<0.1			<1	10	LMF-		108433	46852	442	4	1	24/23/16	

TILLYS CRAWLER PARTS PTY LTD
ATTN: GREG DICKINSON*
PO BOX 2544
TOOWOOMBA, QLD , 4350