AG MACHINERY MATE
Default Site

JFF0105309 ENGINE PRIMARY - DIESEL

UNIT INFORMATION

M/M: CASE STX 375 S/N: JFF0105309 LOC: Default Site COMPONENT INFORMATION

Make : Model : S/N : SHOP JOB/SEGMENT

Condition Monitoring Centre

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

IMMEDIATE CORRECTIVE ACTION IS REQUIRED

DATE 29/03/2025 LCN 21522634

Viscosity acceptable for oil grade indicated. Additive levels suggest a different oil type/formulation is in use. A high amount of non-magnetic metal was observed. PQ index (Ferrous debris) is high. Iron is high. Patch Test contains signficant foreign material and metallic debris. **Suggested action: Investigate & Evaluate Compartment.** Inspect the used oil filters for abnormal debris. Filtergram/Microscopy analysis may assist in investigating the elevated debris. Inspect for leaks at intake, breathers and seals that may allow contaminants to enter. Further investigative measures or repairs may be required. Advise changing oil if not already changed. Resample at a reduced interval following investigation. Sample

CURRENT SAMPLE TOOK 6 DAYS TO REACH LAB INTERPRETED BY Daniel Furness ANALYSED BY Shabrow MAINTENANCE

DATE

LCN

PREVIOUS SAMPLE TOOK 0 DAYS TO REACH LAB INTERPRETED BY

ANALYSED BY

MAINTENANCE

IDENT SAMPLE INFORMATION							ELEMENTAL ANALYSIS														F1	TIR AN	IALY	SIS	MISC						
SMU	E	СМИ	FMU	C SAMP DAT		LCN	OIL ADD	Cu Copper	Fe Iron	Cr Chromium	Pb Lead	Al	Si Silicon	Sn Tin	Ni Nickel	Mn Manganes	V Vanadium	Ti Titanium	"	Sb Antimony	S Sulfur	UST Soot	UOXI Oxidation		USUL Sulfation		TAN Fotal Acid #			RULER Life %	MPC e Patch Co
6145	x	6,145	250	N 29/Mar	25 04/Apr/25	21522634	0.00	1	42	<1	<1	3	9	<1	<1	<1	<1	<1	<1	<1		3	7	<1	14						

IDEN ⁻		FLUID CHARACTERISTICS												PHYSICAL TESTING											PARTICLE ANALYSIS							
SMU	Е	OIL BRAND	OIL GRADE	Ca Calcium	Mg Magnesiu	Zn Zinc	Phosphore	Mo Molybdenur	B Boron	Ba Barium	Cd Cadmium	V40 Vis. 40C	V100 Vis. 100C		Na Sodium	K Potassium	WAT Water		OH Hydroxyl	Li Lithium	PQ PQ Index	DEP Deposits		PC4 >4 µm		PC14 >14 μm	PC38 >38 µm	PC50 >50 μm	ISO ISO 4406	ISO4407		
6145	x	CASTROL RX SUPER	15W40	2790	11	869	749	27	61	<1	<1	107	14.0	<2.0	<1	<1	0.1			<1	49	HN-B										
	П																															