



KELLY GENERATOR 23432 MULTIQUIP 9110454 - INDUSTRIAL - GENSET

Sample No: VPA039634

Oil Type: JOHN DEERE ENGINE OIL PLUS 50 II 10W30

SAMPLE INFORMAT	TION			
Sample Number		VPA039634	 	
Sample Date		09 Jan 2024	 	
Machine Hours		2840	 	
Oil Hours		109	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OIL CONDITION				
Visc @ 100°C	cSt	10.2	 	
Base Number (BN)	mg KOH/g	10.3	 	
Oxidation (PA)	%	61	 	
CONTAMINATION				
Water	%	NEG	 	
Soot %	%	NEG ■ 0.1	 	
Nitration (PA)	%	55	 	
Sulfation (PA)	%	55	 	
Glycol	%	NEG	 	
Fuel	%	<1.0		
Silicon		■ 6	 	
Sodium	ppm	1	 	
Potassium	ppm	2	 	
	PP			
WEAR METALS				
Iron	ppm	■8	 	
Copper	ppm	■5	 	
Lead	ppm	1	 	
Tin	ppm	■<1	 	
Aluminum	ppm	4	 	
Chromium	ppm	■0	 	
Molybdenum	ppm	247	 	
Nickel	ppm	■ 0	 	
Titanium	ppm	0	 	
Silver	ppm	■ 0	 	
Manganese	ppm	■1	 	
Vanadium	ppm	<1	 	
ADDITIVES				
Calcium	ppm	1410	 	
Magnesium	ppm	855	 	
Zinc	ppm	1123	 	
Phosphorus	ppm	941	 	
Barium	ppm	□0	 	
Boron	ppm	284	 	

Rutt's Machine Inc.

300 Jonlyn Dr Elizabethtown, PA US 17022 Contact: John Rutt rutt.john@ruttsmachine.com T: F:

Diagnosis

ENGINE FAILUREAll component wear rates are normal. The wear metal levels do not reflect the reported failure. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil.

Depot:VP743218Unique No:10830419Signed:Don BaldridgeReport Date:15 Jan 2024

Contact/Location: John Rutt - VP743218





