



# OIL REPORT

LAB NUMBER: L04061  
 REPORT DATE: 3/27/2019  
 CODE: 20/487

UNIT ID: HYD SAMPLE  
 CLIENT ID:  
 PAYMENT: Bulk CC

<b>UNIT</b>	MAKE/MODEL: Hydraulic System	OIL TYPE & GRADE: Hydraulic Oil
	FUEL TYPE:	OIL USE INTERVAL:
	ADDITIONAL INFO:	

<b>CLIENT</b>	
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**COMMENTS** Wear metals are low in this sample of hydraulic oil. There is no evidence of contamination from abrasive dirt or water, and there is only a trace of insolubles. Servicing in-line filtration should remove those solids and allow you to get more use out of this oil (assuming it is still in place), but a trace of insolubles doesn't require an oil change, regardless. Viscosity measured 5.58 cSt at 100 °C, which is typical of an ISO 32-grade fluid. The TAN was 0.9. This is serviceable oil.

<b>ELEMENTS IN PARTS PER MILLION</b>	MI/HR on Oil		<b>UNIT / LOCATION AVERAGES</b>					<b>UNIVERSAL AVERAGES</b>
	MI/HR on Unit							
	Sample Date	3/24/2019						
	Make Up Oil Added							
ALUMINUM	1	1					0	
CHROMIUM	0	0					0	
IRON	2	2					5	
COPPER	2	2					8	
LEAD	0	0					2	
TIN	0	0					1	
MOLYBDENUM	2	2					1	
NICKEL	0	0					0	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	0	0					0	
POTASSIUM		1					1	
BORON	11	11					6	
SILICON	2	2					5	
SODIUM	2	2					4	
CALCIUM	349	349					168	
MAGNESIUM	5	5					21	
PHOSPHORUS	405	405					516	
ZINC	493	493					402	
BARIUM	0	0					8	

Values Should Be\*

<b>PROPERTIES</b>	SUS Viscosity @ 210°	44.5					
	cSt Viscosity @ 100°C	5.58					
	Flashpoint in °F	425					
	Fuel %	-					
	Antifreeze %	-					
	Water %	0.0	0.0				
	Insolubles %	TR	<0.1				
	TBN						
	TAN	0.9					
	ISO Code						

\* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380