



OIL REPORT

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

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

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

CLIENT	
---------------	--

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.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	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*

PROPERTIES	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