



OIL REPORT

LAB NUMBER: D56705 UNIT ID: 06 F350
 REPORT DATE: 10/30/2008 CLIENT ID: 25789
 CODE: 20/12 PAYMENT: CC: Visa (Bulk)

UNIT	MAKE/MODEL: Navistar 6.0L Power Stroke	OIL TYPE & GRADE: Diesel Engine Oil
	FUEL TYPE: Diesel	OIL USE INTERVAL: 11,000 Miles
	ADDITIONAL INFO:	

CLIENT	SCOT BAIRD	PHONE:
	C&J SERVICES INC	FAX:
	210 ISBELL	ALT PHONE:
	HOWELL, MI 48843-2029	EMAIL: scotbaird@comcast.net

COMMENTS SCOT: After the twice-average length oil change interval, the only metal reading in excess of universal averages (based on 5100 miles oil use) is iron. But this is nothing new, and when looking at iron in terms of wear rate, it is normal when compared to averages, and if it weren't for the fuel, this would be a perfect report. 3.0% of the sample was diesel fuel, which is excessive, but since the viscosity was okay and wear looks good, we aren't ready to call it a major issue yet. Watch the oil level on your dipstick. If it's rising, then fuel may be a problem for you.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	11,000	UNIT / LOCATION AVERAGES	11,000	10,000	10,000		12,500	UNIVERSAL AVERAGES
	MI/HR on Unit	89,000		78,000	67,000	56,500		45,500	
	Sample Date	10/22/08		06/30/08	03/21/08	12/12/07	08/31/07	08/23/07	
	Make Up Oil Added	1 qt		2 qts	0 qts	0 qts		2 qts	
ALUMINUM	4	3	4	4	3	4	4	3	
CHROMIUM	1	2	2	2	3	3	2	1	
IRON	49	41	51	53	48	52	46	22	
COPPER	2	3	3	3	3	5	4	3	
LEAD	3	5	5	4	5	7	6	3	
TIN	1	1	1	1	1	3	2	1	
MOLYBDENUM	7	12	24	13	7	18	18	34	
NICKEL	1	1	1	1	1	1	1	0	
MANGANESE	0	0	1	1	0	1	1	0	
SILVER	0	0	0	0	0	0	0	0	
TITANIUM	0	0	0	0	0	0	0	0	
POTASSIUM	6	4	7	4	6	6	3	3	
BORON	15	10	15	6	17	6	8	39	
SILICON	4	6	4	4	5	9	7	14	
SODIUM	1	2	2	2	3	3	4	3	
CALCIUM	2205	2867	2631	3450	2469	3022	3338	3011	
MAGNESIUM	6	9	9	10	6	12	9	92	
PHOSPHORUS	971	1136	1106	1315	1062	1194	1201	1123	
ZINC	1167	1311	1299	1462	1218	1211	1448	1295	
BARIUM	0	0	0	0	0	0	0	2	

Values Should Be*

PROPERTIES	SUS Viscosity @ 210°F	69.8		64.5	60.6	68.6	61.3	61.1
	cSt Viscosity @ 100°C	12.89		11.46	10.39	12.59	10.59	10.52
	Flashpoint in °F	385	>415	SHORT	410	390	390	370
	Fuel %	3.0	<2.0	-	TR	2.5	2.5	4.5
	Antifreeze %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Water %	0.0	0.0	0.0	0.0	0.0	0.0	0.0
	Insolubles %	0.2	<0.6	0.3	0.2	0.2	0.3	0.3
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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